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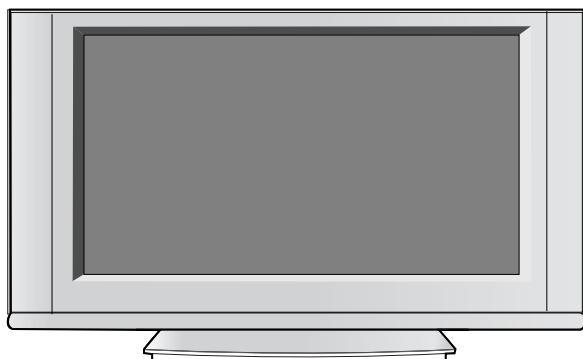
LCD TV **SERVICE MANUAL**

CHASSIS : CL-80

MODEL : 55LP1M-WC

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer** should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the LCD PANEL.

For continued X-RAY RADIATION protection, the replacement panel must be the same type panel as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.

Measure the high voltage.

The meter reading should indicate

$23.5 \pm 1.5\text{KV}$: 14-19 inch, $26 \pm 1.5\text{KV}$: 19-21 inch,

$29.0 \pm 1.5\text{KV}$: 25-29 inch, $30.0 \pm 1.5\text{KV}$: 32 inch

If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1\text{M}\Omega$ and $5.2\text{M}\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

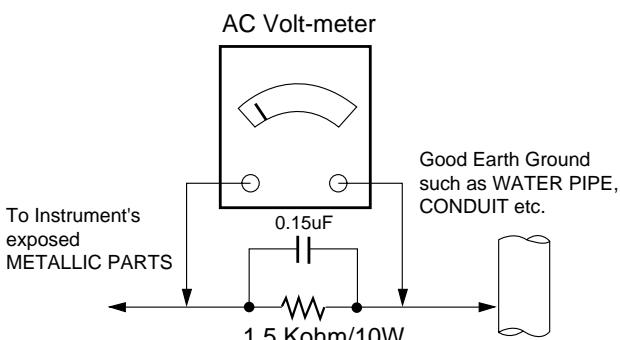
Connect $1.5\text{K}/10\text{watt}$ resistor in parallel with a $0.15\mu\text{F}$ capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the **SAFETY PRECAUTIONS** on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
 - a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
 - b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
 - c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.

CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".

3. Do not spray chemicals on or near this receiver or any of its assemblies.

4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts is not required.

5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.

6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last.

8. *Use with this receiver only the test fixtures specified in this service manual.*

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called

Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the

unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range of 500°F to 600°F.

2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.

3. Keep the soldering iron tip clean and well tinned.

4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following unsoldering technique

- a. Allow the soldering iron tip to reach normal temperature. (500°F to 600°F)

- b. Heat the component lead until the solder melts.

- c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.

CAUTION: Work quickly to avoid overheating the circuitboard printed foil.

6. Use the following soldering technique.

- a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)

- b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

- c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.

CAUTION: Work quickly to avoid overheating the circuit board printed foil.

- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush.
(It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor

Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device

Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife.
Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.
Carefully crimp and solder the connections.

CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

1. Application range

This specification is applied to CL-80 chassis.

2. Requirement for Test

Testing for standard of each part must be followed in below condition.

- (1) Temperature: $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- (2) Humidity: $65\% \pm 10\%$
- (3) Power: Standard input voltage (AC 100-240V, 50/60Hz)
- (4) Measurement must be performed after heat-run more than 30min.
- (5) Adjusting standard for this chassis is followed a special standard.

3. General Specification

No.	Item	Content			Remark
1	LCD Module Feature	Maker	LPL		
		Type	TFT Color LCD Module		
		Active Display Area	54.64 inches(1387.86) duagonal		
		Pixel Pitch [mm]	630mm(H) x 0.630mm(V) x RGB		
		Electrical Interface	LVDS		
		Color Depth	8bits, 16,777,216 color		
		Size[mm]	1264(H) x 738.4(V) x 49.8(D)		
		Surface Treatment	Anti-Glare, Hard Coating (3H)		
		Operating Mode	Normally Black		
		Black Light Unit	28CCFL(28 lamps)		
		R/T	Typ.	20ms(R.T : 10ms + F.T. : 10ms)	

4. Mechanical specification

No.	Item	Content			Remark
1	Product		Width(W)	Length(D)	Height(H)
	Dimension	Before Packing	1612	320	943.2
		After Packing	1740	430	1115
2	Product	Only Set	75.2kg		
	Weight	With Box	85kg		

5. Engineering Specification

No.	Item	Content				Remark		
1.	Supported Sync Type	Separate Sync, SOG, Composite Sync, Digital						
2	Operating Frequency	Analog	Horizontal	30 ~83 KHz				
			Vertical	56 ~85 Hz				
3	Resolution	Digital	Horizontal	30 ~83 KHz				
			Vertical	56 ~85 Hz				
4	Input Voltage	Voltage : 100 ~ 240Vac , 50 or 60Hz						
		Cold : 40A , Hot : 40A						
6	Operating Condition	Sync (H/V)		Video	LED	Wattage		
		Normal Mode	Normal (Typ)	On/On	Active	Green 315W Without Stand		
		Sleep Mode (Set = On) (Signal=O)	Stand by	Off/On	Off	Amber ≤ 4W		
		Suspend	On/Off	Off	Amber	≤ 4W		
		DPM Off	Off/Off	Off	Amber	≤ 4W		
		Deep Sleep Mode (Set = Off)	Power Off	Off/Off	Off	≤ 2W		
7	MTBF	50,000 HRS with 90% Confidence level		Lamp Life : 50,000 Hours (min)				
8	Using Altitude	5,000 m (for Reliability) 3,000 m (for FOS)						
9	Environment Condition	Operating	Temperature	5°C ~ 35°C				
			Humidity	10% ~ 80%				
10	Pin	D-Sub input	Storage		Temperature -20°C ~ 60°C non condensing			
			Humidity	5% ~ 95% non-condensing				
			1 : Red Video	9 : E-DDC				
			2 : Green Video	10 : Sync. GND				
			3 : Blue Video	11 : Open				
			4 : Open	12 : SDA				
			5 : Return	13 : Horizontal Sync.				
			6 : Red GND	14 : Vertical Sync.				
		D-Sub Output	7 : Green GND	15 : SCL				
			8 : Blue GND	Shell : GND				
			1 : Red Video	9 : Open				
			2 : Green Video	10 : Sync. GND				
			3 : Blue Video	11 : Open				
			4 : Open	12 : Open				
			5 : Open	13 : Horizontal Sync.				
			6 : Red GND	14 : Vertical Sync.				
		DVI	7 : Green GND	15 : Open				
			8 : Blue GND	Shell : GND				
			1 : TMDS Data 2 -	13 : TMDS Data 3 +				
			2 : TMDS Data 2 +	14 : +5V Power				
			3 : TMDS Data 2/4 Shield	15 : Ground (For +5V)				
			4 : TMDS Data 4 -	16 : Hot Plug Detect				
			5 : TMDS Data 4 +	17 : TMDS Data 0 -				
			6 : DDC Clock	18 : TMDS Data 0 +				
		AV In/Out	7 : DDC Data	19 : TMDS Data 0/5 Shield				
			8 : Analog Vertical Sync	20 : TMDS Data 5 -				
			9 : TMDS Data 1 -	21 : TMDS Data 5 +				
		HDTV(Y,PB,PR) /DVD(Y,CB,CR)	10 : TMDS Data 1 +	22 : TMDS Clock Shield				
			11 : TMDS Data 1/3 Shield	23 : TMDS Clock +				
			12 : TMDS Data 3 -	24 : TMDS Clock +				
		S-VIDEO	1: Composite Video					
			2: Audio L In					
			3: Audio R In					
		RS232C IN	1: Y					
			2: Pb (Cb)					
			3:Pr (Cr)					
		RS232C OUT	1: GND	3: Y				
			2: GND	4: C				
			1. NC	2. Rx				
			3. Tx	4. NC				
			5. NC	6. GND				
			7. NC	8. GND				
			9. NC	8. NC				

6. Signal Timing(Resolution)

1) PC Mode

MODE	H / V	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Front Porch (C)	Sync Duration (D)	Back Porch (F)	Resolution
1	H(Pixels)	+	25.175	31.469	800	640	16	96	48	640 x 350
	V(Lines)	-		70.8	449	350	37	2	60	
2	H(Pixels)	-	28.321	31.468	900	720	18	108	54	720 X 400
	V(Lines)	+		70.8	449	400	12	2	35	
3	H(Pixels)	-	25.175	31.469	800	640	16	96	48	640 x 480
	V(Lines)	-		59.94	525	480	10	2	33	
4	H(Pixels)	-	31.5	37.5	840	640	16	64	120	640 x 480
	V(Lines)	-		75	500	480	1	3	16	
5	H(Pixels)	-	36.0	43.269	832	640	56	56	80	640 x 480
	V(Lines)	-		85.0	509	480	1	3	25	
6	H(Pixels)	+	40.0	37.879	1056	800	40	128	88	800 x 600
	V(Lines)	+		60.317	628	600	1	4	23	
7	H(Pixels)	+	49.5	46.875	1056	800	16	80	160	800 x 600
	V(Lines)	+		75.0	625	600	1	3	21	
8	H(Pixels)	+	56.25	53.674	1048	800	32	64	152	800 x 600
	V(Lines)	+		85.061	631	600	1	3	27	
9	H(Pixels)	+/-	57.283	49.725	1152	832	32	64	224	832 x 624
	V(Lines)	+/-		74.55	667	624	1	3	39	
10	H(Pixels)	-	65.0	48.363	1344	1024	24	136	160	1024 x 768
	V(Lines)	-		60.0	806	768	3	6	29	
11	H(Pixels)	-	78.75	60.123	1312	1024	16	96	176	1024 x 768
	V(Lines)	-		75.029	800	768	1	3	28	
12	H(Pixels)	+	94.5	68.68	1376	1024	48	96	208	1024 x 768
	V(Lines)	+		85.00	808	768	1	3	36	
13	H(Pixels)	+	74.5	44.772	1664	1280	64	128	192	1280 x 720
	V(Lines)	+		59.855	748	720	3	5	20	
14	H(Pixels)	+	84.75	47.72	1776	1360	72	136	208	1360 x 768
	V(Lines)	+		59.799	798	768	3	5	22	
15	H(Pixels)	+	108.0	63.981	1688	1280	48	112	248	1280 x 1024
	V(Lines)	+		60.02	1066	1024	1	3	38	
16	H(Pixels)	+	135.00	79.98	1688	1280	16	144	248	1280 x 1024
	V(Lines)	+		75.02	1066	1024	1	3	38	
17	H(Pixels)	+	138.5	66.587	2080	1920	48	32	80	1980 x 1080
	V(Lines)	-		60	1111	1080	3	5	23	

2) DTV Mode

Component Video Input (Y/Pb/Pr)

MODE	H / V	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Front Porch (C)	Sync Duration (D)	Back Porch (F)	Resolution
1	H(Pixels)	-	25.175	31.469	800	640	16	96	48	SDTV 480P
	V(Lines)	-		59.94	525	480	10	2	33	
2	H(Pixels)	-	27.027	31.5	858	720	16	62	60	HDTV 720P (HDCP)
	V(Lines)	-		60	525	480	10	2	33	
3	H(Pixels)	-	74.176	44.955	1650	1280	70	40	260	HDTV 720P (HDCP)
	V(Lines)	-		59.94	750	720	5	5	60	
4	H(Pixels)	-	74.250	33.750	2200	1920	44	44	192	HDTV 1080I (HDCP)
	V(Lines)	-		60.053	562	540	2	5	15	
5	H(Pixels)	-	74.176	33.716	2200	1920	44	44	192	HDTV 1080I (HDCP)
	V(Lines)	-		59.994	562	540	2	5	15	

7. Special Function

No.	Contents		Description		Remark
1	Audio AMP	Output	Output	10W + 10W (Rated Out put $\pm 10\%$)	
		Rating		100Hz ~ 10KHz Range (-3 dB)	
		Freq. Character		Within 10%	
		T.H.D		0.700Vrms	
		Input Sensitivity		Less then 40dB	
2	Speaker	Type		Built-In	
		Impedance		8 Ω	
		Input		Max : 15W, Normal : 10W	
3	AV	Video Level		Input : 0.7 ± 0.15	V p-p 75 Ω Terminal Resistor
		Sync Level		Input : 0.286 ± 0.075	V p-p 75 Ω Terminal Resistor
		Color Burst		Input : 0.214 ± 0.072	V p-p 75 Ω Terminal Resistor
		Audio Level		NTSC Input : 0.40 ± 0.1 PAL Input: 0.5 ± 0.1 PC Input : 0.7 ± 0.1	V rms 600 Ω
		Video Cross Talk		43	dB

8. Optical Character

No	Item	Criteria			Remark
1	Viewing Angle <CR≥10>	Horizontal(R/L) : +85°/-85° (min.), 88°/-88° (Typ.)			
		Vertical(Top/Bottom) : +85°/-85° (min.), 88°/-88°(Typ.)			
2	Luminance	Luminance (cd/m2)		400 cd/m2 (min.) 500cd/m2 (Typ)	9300K
		Variation		1.33	
3	Contrast Ratio	Without AI :400(min.),550(Typ.), With AI:800 (min),1200(Typ)			
4	CIE Color Coordinates			Minimum	Typ
		White	WX	0.372	0.402
			WY	0.364	0.394
		White	WX	0.283	0.313
			WY	0.299	0.329
		White	Wx	0.254	0.284
			Wy	0.265	0.295
		Red	RX	0.610	0.640
			RY	0.312	0.342
		Green	GX	0.255	0.285
			GY	0.577	0.607
		Blue	BX	0.117	0.147
			BY	0.035	0.065
5	Grey Level Relative Brightness	Gray Level	Typ.		
			Without AI		Without AI
		L0	0.17		0.17
		L15	0.55		0.55
		L31	0.94		0.94
		L47	2.20		2.20
		L63	4.21		4.21
		L79	7.39		7.39
		L95	11.58		11.58
		L111	16.57		16.57
		L127	22.36		22.36
		L143	30.14		30.14
		L159	39.72		39.72
		L175	50.50		50.50
		L191	61.48		61.48
		L207	73.25		73.25
		L223	84.63		84.63
		L239	94.01		94.01
		L255	100.0		100.0
6	Light Leakage	Condition: Do not visible at 300 Lux			

ADJUSTMENT INSTRUCTION

1. Coverage

Apply to monitor that is made or do standard here upon and manufacture in monitor factory this standard.

2. Appointment

2.1 Adjustment can must follow, and confer with design part and change order in order designated.

2.2 Power : Free Voltage

2.3 Input signal : based engineering specification

2.4 pre operating : over 30 min

2.5 Adjust equipment : White balance equipment (CA-110/CA-210), Display adjust equipment (VG-828 or VG848) Oscilloscope, PC (Pentium level) , TV/AV Pattern Generator & 55" LCD TV.

HDCP Adjusting Jig equipment.

3. Adjustment

3.1 Overview

Use factory automation equipment and adjust automatic movement. But, do through handwork adjust in error occurrence.

3.2 Adjustment order

3.2.1 Adjustment Line process

- ENTER SERVICE ADJUSTMENT MENU.
- Connect input signal to 15pin D-sub.
- Adjust ready : Adjust command normally action existence and nonexistence and mode action state.
- Checking.
- Confirm that normally gray color is embodied inputing 256 gray scale patterns.

3.2.2 Total Assembly Line

- Ready : Heat-run during 120 minutes in state with signal.
- Connect input signal to 15pin D-sub.
- Before adjust default value : Contrast Outgoing condition, Brightness Outgoing condition

3.2.3 Each mode horizontal/Verticality screen position, Clock, Clock Phase Adjustment.

- There is no special factory mode adjust.
When power ON u-com is default data wright at the adjustment line.
#Caution) That keep power-on more than 10 seconds after power-on first time
- EEPROM contents read to compare at the adjustment line.

3.2.4 Color coordinates adjustment and Luminance adjustment. (input D-sub Analog)

3.2.4.1 Color coordinates adjust ready.

- When each color coordinates & Black level adjust.
- Contrast : outgoing condition
Brightness : outgoing condition
- Signal Generator
Output Voltage : 700 mVp-p
Output Mode : #13 (WXGA 60 Hz) mode Setting.
- Before adjustment command "start preset adjustment" next start adjustment

3.2.4.2 Black level adjustment (Bias Adjustment.)

- Input black pattern none SOG signal.
- Input command AUTO_COLOR_ADJUST(0xF1), 0x00 after adjustment.
- After wait about 2 second, confirm the message "ok", confirm 0xAA the address 0x00 of EEPROM 0xA0 again adjust.(because auto adjustment fail)

3.2.4.3 PRESET 1 (9300 K) Color coordinates adjustment and confirmation (Gain Adjustment)

- Input full white pattern none SOG signal.
- Input command AUTO_COLOR_ADJUST(0xF1), 0x01 after adjustment.
- After wait about 3 second, confirm the message "ok", and, confirm 0xAA the address 0x01 of EEPROM 0xA0.
- If display the message "FAIL" or not 0xAA the address 0x01 of EEPROM 0xA0 again adjust. (because auto adjustment fail)

3.2.4.4 PRESET 2 (6500 K) Color coordinates adjustment and confirmation

- The input is Full White Pattern
- None adjustment process.
- It sends an instruction The AUTO_MODE_CHANGE (0xF2), 0x02
- Auto stored 6500K R = 9300K R, 6500K G = 9500K G - 10, 6500K B = 9300K B- 40.
- Confirm x= 0.313±0.030, y=0.329±0.030

3.2.5 Color coordinates Adjustment and brightness

Adjustment (AV input)

3.2.5.1 Color coordinates adjustment provisions:

- Adjusting Each color coordinate and Black level

EZ Video : Standard

ACC : Normal

- Input signal :

Adjust after input signal of PAL MODE I ,because major sales area is EU.

PAL:CVBS(576i), 576i (HDTV port), 1080i / 60Hz (HDTV port) it Adjusts 3 Modes.

- Before Adjustment It shows a "PRESET ADJUSTMENT START" message. And adjustment begins.

3.2.5.2 Black level adjustment (Bias adjustment) :

- The input is 1080i/60Hz signal in Component input and 16/255 Gray Level.

Brightness Range 0.9~1.1 cd/m², In the Sub Bright (0x86) In order to hold the variable brightness.

*Reference : With CVBS input & COMPONENT INPUT 576i It is not with from Adjustment. It does default setting for this value.

3.2.5.3 White Level Adjustment (Gain Adjustment)

- The Display is 240/255 Gray Level.
- For Adjustment the R Gain is fixed at 100, to adjust G/B gain , the color coordinates
- 55LP1M-WC ($x = 0.283 \pm 0.010$, $y = 0.298 \pm 0.010$) (G Gain is variable ,its range is 0 ~ 100)
- Only when the G gain goes over 100 it fixes the G gain 100 and R/B gain is variable
- It makes the color coordinate. (Generally only R gain Or G gain is fixed to 100)

3.2.5.4 Gray Scale Check

- The input can be 3 modes PAL : CVBS(576i) , 576i (HDTV port), 1080i (HDTV port).
- For each mode 16 GREY pattern is displayed
- Check 0 level is not displayed and 1/16 Grey is displayed.
- The 15/16 Gray and 16/16 Gray are checked separately.

3.2.6 Operation condition check

3.2.6.1 Operational mode: Every mode, which is in specification, is checked that it is accurate and are operated.

3.2.6.2 Adjustment condition and operation check:
Satisfactory yes or no adjustment of screen adjustment standards

- Analog/Digital screen condition check: From lower part mode screen condition good yes or no check

Designation mode : 640x350 (70Hz) - 1 mode,
800x600 (75Hz) - 2 mode,
1024x768(60Hz) -12 mode,
1280x768(60 Hz)-13 mode

The input selection time is 8 seconds after key is pressed and Analog or Digital display comes on the screen.

3.2.6.3 H/V Position, Clock, Clock Phase and Auto Calibration operation check

- The Mode 13 (1280*768,60Hz) 1line from on/off pattern H/V Position and the Clock, Clock Phase it is variable each and it is checked it operates normally
- The Clock, Clock phase are adjusted by auto calibration when they have become variable. They are checked.

3.2.6.4 Color operation check: 9300K, 6500, 3600K ,USER COLOR are checked for normal operation.

- It is checked that 9300 and USER COLOR setting are same.

Other quality : Satisfactory yes or no adjustment against each item from the standard condition which is written clearly in the product specification

(1) Each SOURCE image and Sound check

- A/V : supports NTSC, PAL

3.2.6.5 Audio Spec

Speaker: 8ohm

INPUT(PC AUDIO) : 0.7Vrms , OUTPUT : 10W

INPUT(A/V) : 0.4Vrms(NTSC), 0.5Vrms(PAL), OUTPUT : 10W

3.2.6.6 OSD and terminal check. Check clearly, adjustment follows the product specification.

3.2.6.7 The input is Color bar pattern and 256 Gray scale pattern and check if normal color is displayed properly

3.2.6.8 PM operation confirmation: the power LED glow and voltage power consumption is checked
(When No image signal condition)

3.2.6.9 E-DDC EDID Write

- Analog Part EDID Data store
- Connect Analog Signal Cable to D-SUB Jack
- Write DDC data 24C02 and check DDC function operates normally and DDC data is written correctly (EDID Data product specification reference)
- Stores Digital Part EDID Data
- Connect Digital Signal Cable to DVI-D Jack.
- Write DDC data 24C02 and check DDC function operates normally and DDC data is written correctly (EDID Data product specification reference)

3.2.6.10 HDCP Write

- Connect Digital Signal Cable to DVI-D Jack.
- Write HDCP data 24C16 and check HDCP function operates normally and HDCP data is written correctly

3.2.6.11 RS 232C

- Connect serial cable to RS232C
- Send the instruction " 0x04, 0xaa, 0xff, 0x53" and check "OK" Message. is display on screen. check "OK" Message. is display on screen.
- CHECK THE SVC Aging On IF CANNOT OPERATE

3.2.6.12 All Reset

- All Tests finish when inside service mode. the "NVRAM INITIAL" makes it ON with Initial Data.

3.2.6.13 LANGUAGE: The default language is ENGLISH as in the Product Specification

- Another language can be set as per Product Specification.

3.2.6.14 CNN option

- 1) Enter the Service menu Adjustment.
- 2) In the Setup MENU select CNN ON/OFF and set up as. Default is CNN OFF. (Don't need select this option that is only for CNN)

3.2.6.15 FAN Operation check (ALL Model)

- 1) Enter the Service Adjustment Menu
- 2) Select Menu's "FAN" and make by "On".
- 3) Confirm FAN's operating

3.2.6.16 Temperature (Ambient) confirm (ALL Model)

- 1) Enter the Service Adjustment Menu.
- 2) Confirm temperature value.
(This value is ambient temperature of set . If it is baggage value, set is badness.)

3.2.6.17 Light Sensor value confirm

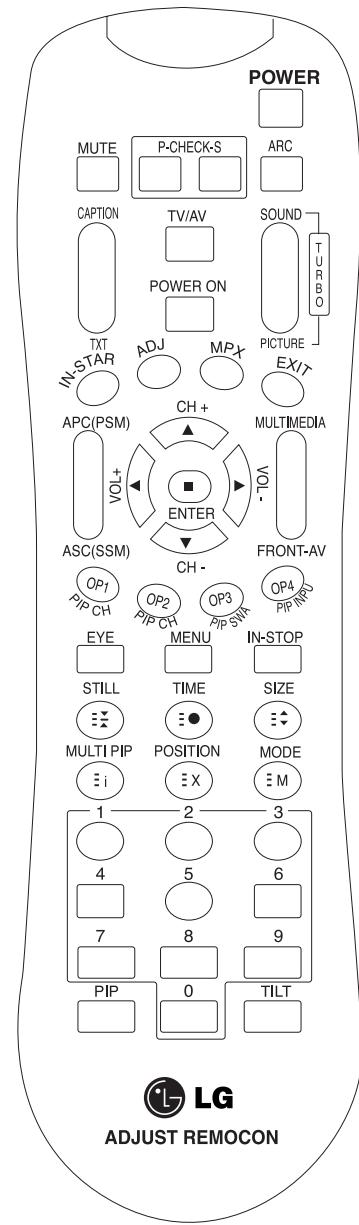
- 1) Enter the Service Adjustment Menu.
- 2) Confirm Light Value's value.
(Can know if cover sensor on hand. In the present case, sensor value amounts to 0.)
(According to brightness, confirm change of value of sensor.)
(If sensor value does not change, it is badness.)

4. Shipping Condition

No.	Item		Shipping Condition	Remark.
1	Shipping Condition	SOURCE	RGB1	
		DC Power S/W	OFF	
		Monitor part	EZ Video (none active)	
		ACC	6500K	
		EZ Audio	Flat	
		Balance	0	
		AVL	Off	
		SRS WOW	Off	
		Input	RGB1	
		Child Lock	Off	
		Language	English	
		Power Indicator	On	
		Transparency	20	
		Tile mode	Off	
		Reset	-	
		Set ID	1	
		Logo Display Lamp	On	
		Light Sensor	Off	
		ARC	Full	
		Auto-configure	-	
		Clock	-	
		Phase	-	
		Position	Horizontal	-
			Vertical	-
		PIP/POP/PBP	Off	
	AV part	EZ Video	Dynamic	
		ACC	Normal	
		EZ Audio	Flat	
		Balance	0	
		AVL	Off	
		SRS WOW	Off	
		Input	AV	
		Child lock	Off	
		Language	English	
		Power Indicator	On	
		Transparency	20	
		Tile Mode	Off	
		Reset	-	
		Set ID	1	
		Logo Display Lamp	On	
		Light Sensor	Off	
		ARC	Full	
		PIP/POP/PBP	Off	

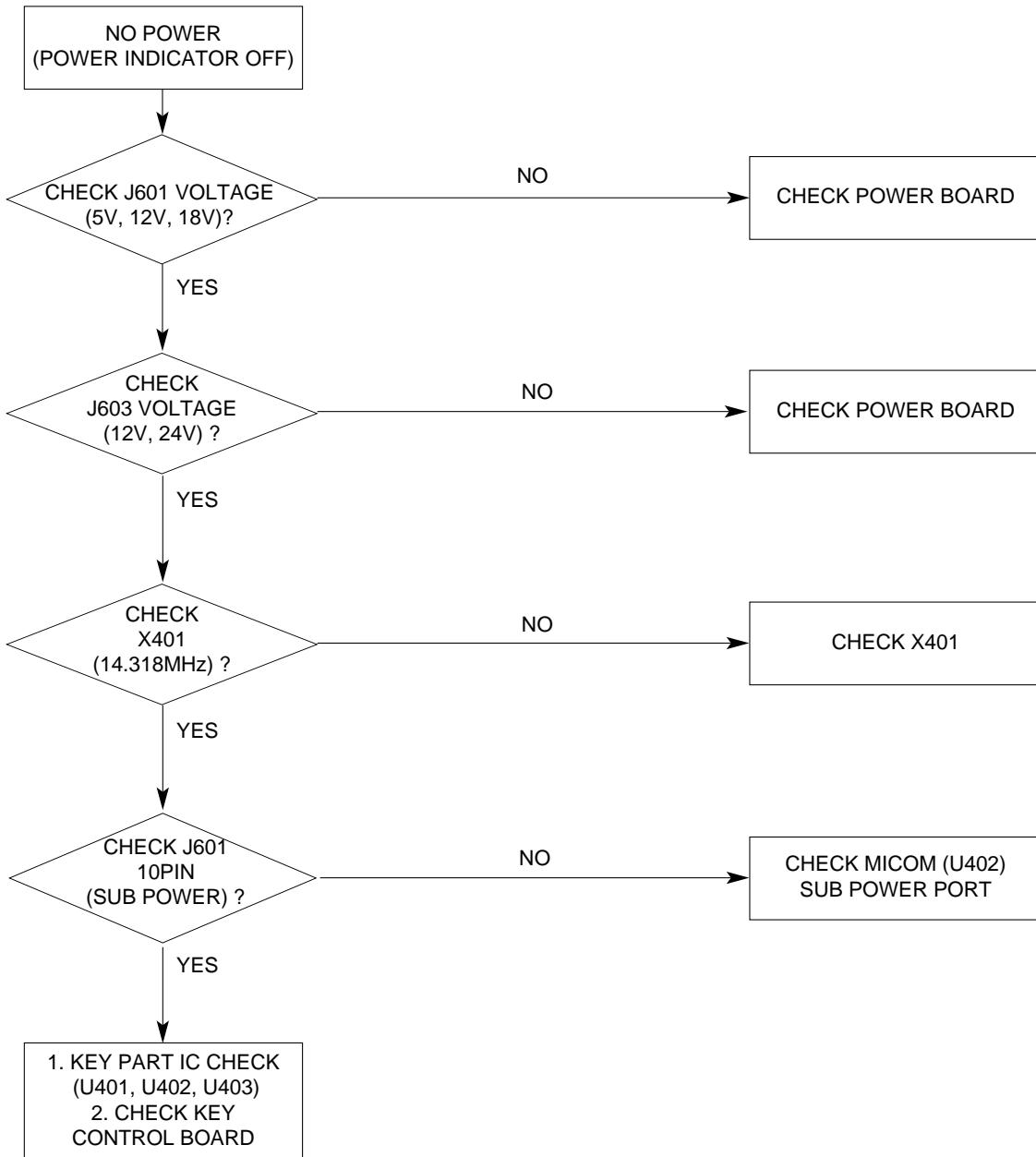
SVC REMOCON

NO	KEY	FUNTION	REAMARK
1	POWER	To turn the TV on or off	
2	POWER ON	To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered.	
3	MUTE	To activate the mute function.	
4	P-CHECK	To check TV screen image easily.	Shortcut keys
5	S-CHECK	To check TV screen sound easily	Shortcut keys
6	ARC	To select size of the main screen (Normal, Spectacle, Wide or Zoom)	Shortcut keys
7	CAPTION	Switch to closed caption broadcasting	
8	TXT	To toggle on/off the teletext mode	
9	TV/AV	To select an external input for the TV screen	
10	TURBO SOUND	To start turbo sound	
11	TURBO PICTURE	To start turbo picture	
12	IN-START	To enter adjustment mode when manufacturing the TV sets. To adjust the screen voltage (automatic): In-start → mute → Adjust → AV(Enter into W/B adjustment mode) W/B adjustment (automatic): After adjusting the screen → W/B adjustment → Exit two times (Adjustment completed)	Use the AV key to enter the screen W/B adjustment mode.
13	ADJ	To enter into the adjustment mode. To adjust horizontal line and sub-brightness.	
14	MPX	To select the multiple sound mode (Mono, Stereo or Foreign language)	
15	EXIT	To release the adjustment mode	
16	APC(PSM)	To easily adjust the screen according to surrounding brightness	
17	ASC(SSM)	To easily adjust sound according to the program type	
18	MULTIMIDIA	To check component input	Shortcut keys
19	FRONT-AV	To check the front AV	Shortcut keys
20	CH±	To move channel up/down or to select a function displayed on the screen.	
21	VOL±	To adjust the volume or accurately control a specific function.	
22	ENTER	To set a specific function or complete setting.	
23	PIP CH-(OP1)	To move the channel down in the PIP screen. To use as a red key in the teletext mode	
24	PIP CH+(OP2)	To move the channel in the PIP screen To use as a green key in the teletext mode	
25	PIP SWAP(OP3)	To switch between the main and sub screens To use as a yellow key in the teletext mode	
26	PIP INPUT(OP4)	To select the input status in the PIP screen To use as a blue key in the teletext mode	
27	EYE	To set a function that will automatically adjust screen status to match the surrounding brightness so natural color can be displayed.	
28	MENU	To select the functions such as video, voice, function or channel.	
29	IN-STOP	To set the delivery condition status after manufacturing the TV set.	
30	STILL	To halt the main screen in the normal mode, or the sub screen at the PIP screen. Used as a hold key in the teletext mode (Page updating is stopped.)	
31	TIME	Displays the teletext time in the normal mode Enables to select the sub code in the teletext mode	
32	SIZE	Used as the size key in the PIP screen in the normal mode Used as the size key in the teletext mode	
33	MULTI PIP	Used as the index key in the teletext mode (Top index will be displayed if it is the top text.)	
34	POSITION	To select the position of the PIP screen in the normal mode Used as the update key in the teletext mode (Text will be displayed if the current page is updated.)	
35	MODE	Used as Mode in the teletext mode	
36	PIP	To select the simultaneous screen	
37	TILT	To adjust screen tilt	Shortcut keys
38	0~9	To manually select the channel.	

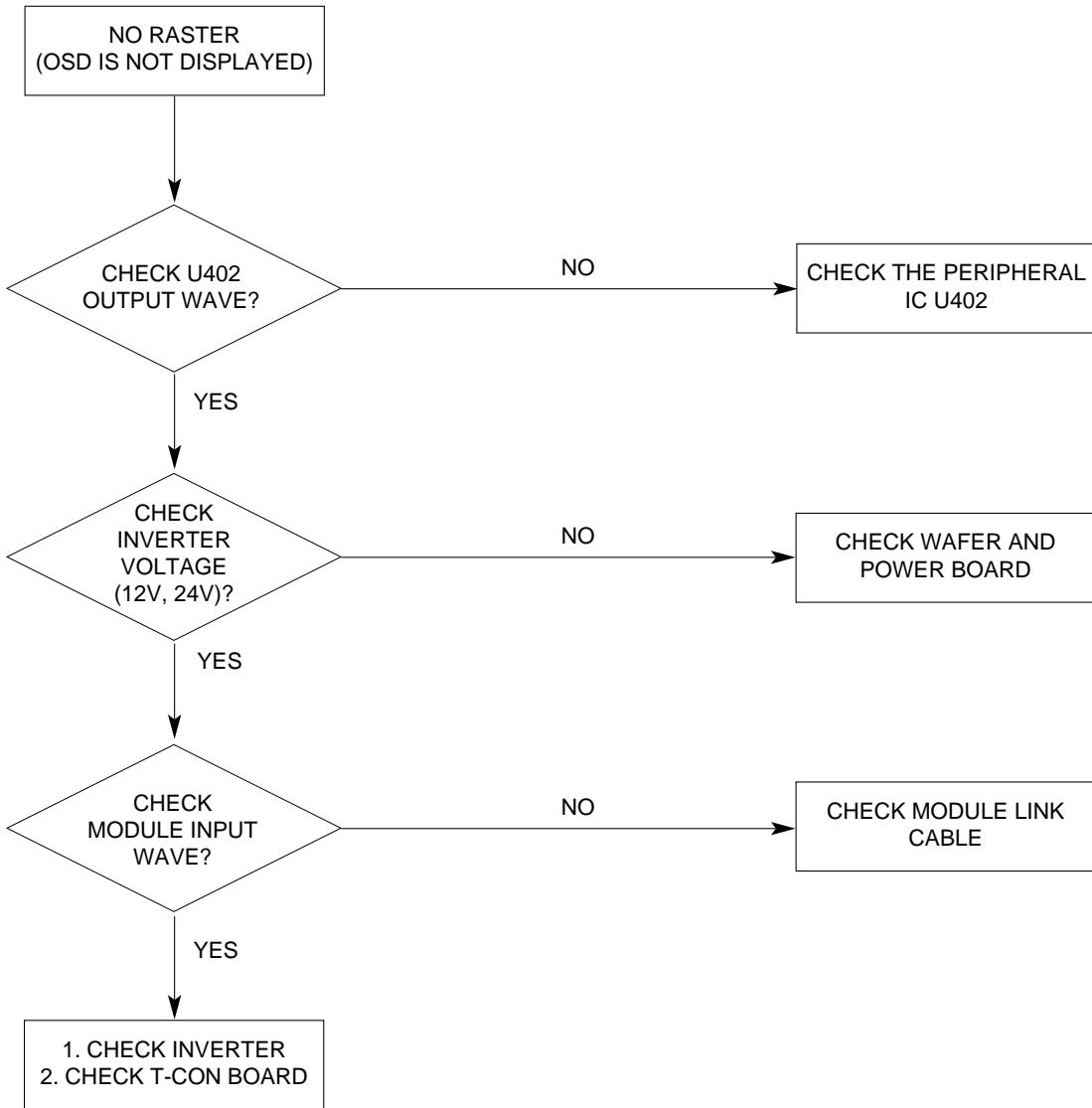


TROUBLESHOOTING

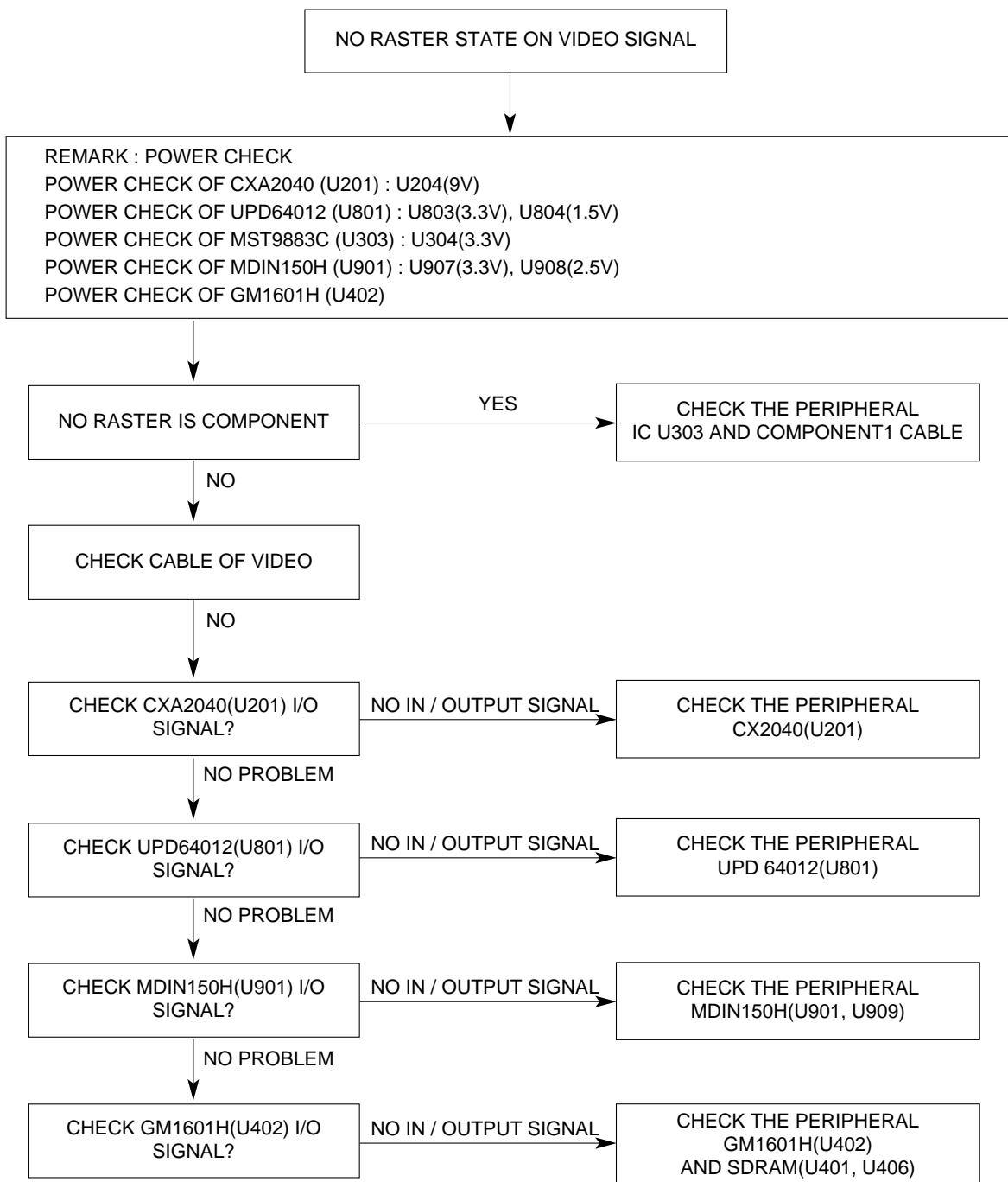
1. NO POWER



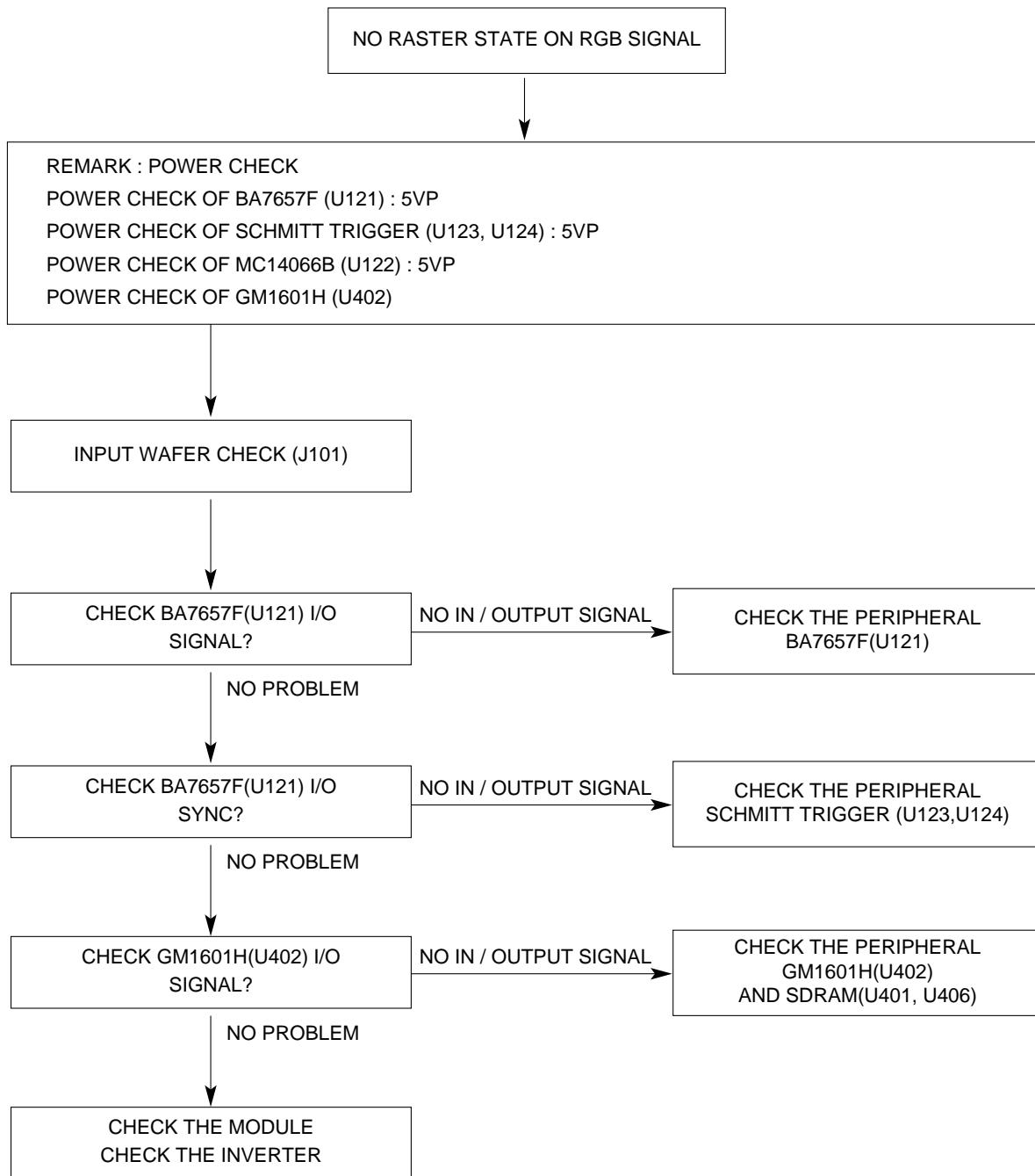
2. NO RASTER(OSD IS NOT DISPLAYED)



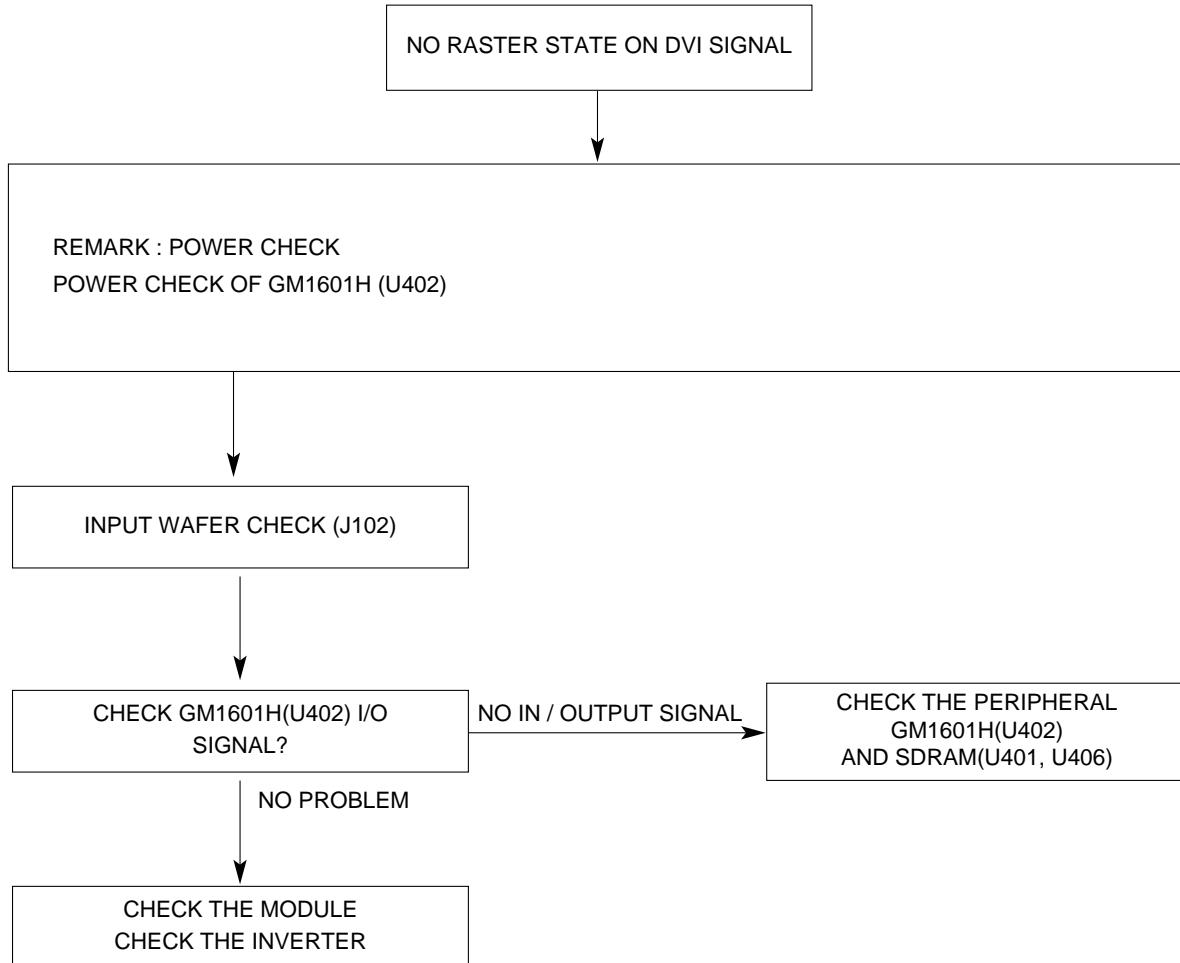
3. NO RASTER STATE ON VIDEO SIGNAL



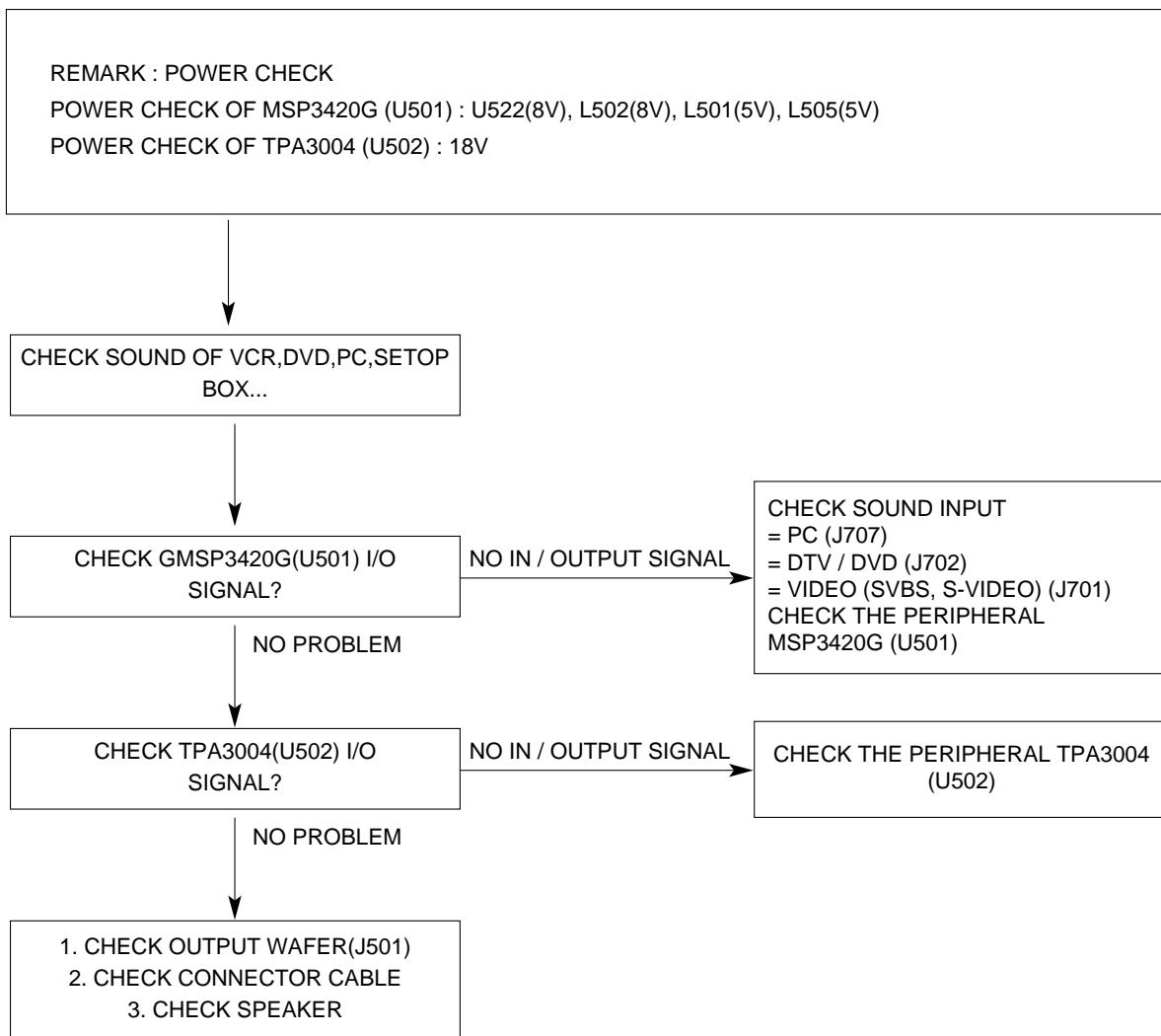
4. NO RASTER STATE ON RGB SIGNAL



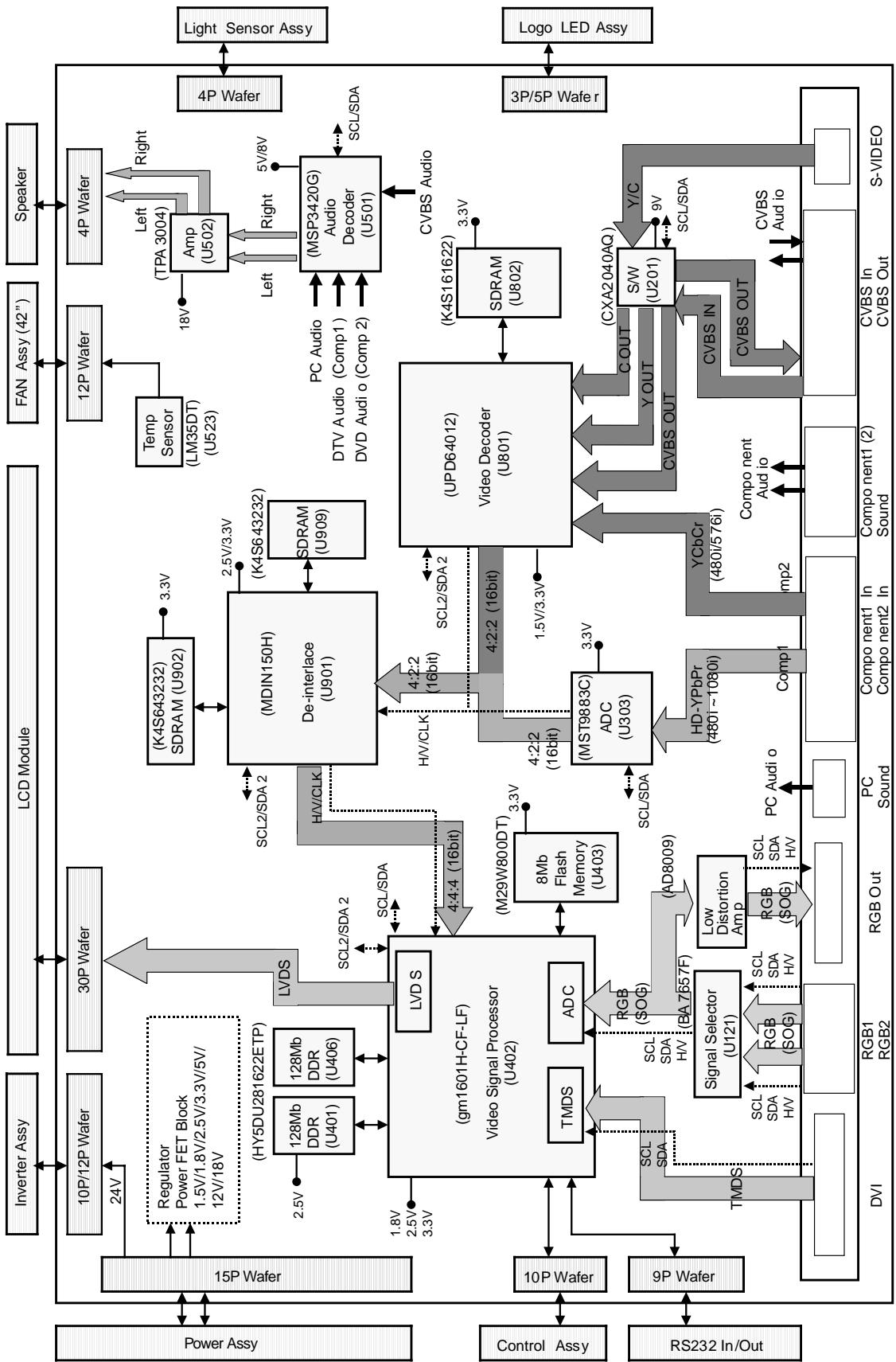
5. NO RASTER STATE ON DVI SIGNAL



6. SOUND TROUBLE SHOOTING



BLOCK DIAGRAM



BLOCK DIAGRAM DESCRIPTION

1. INPUT SELECTION CIRCUIT

- 1) D-SUB RGB INPUT SELECT : This section is composed of Signal selector IC(BA7657F_U121) and peripheral devices. The BA7657F(U121) IC select RGB1 signal or RGB2 signal and the signal is sent to gm1601H(402).
- 2) VIDEO INPUT SELECT : This section is composed of Video switching IC(CXA204Q_U201) and peripheral devices. Video switching IC(CXA204Q_U201) select CVBS video or S-video and the signal is sent to Video decoder (UPD64012)
- 3) DVI signal input is directly fed to SCALER, DTV(Component1) signal input is given to Scaler IC(U402) via MST9883C(U303). DVD(Component2) signal input is given to Scaler IC via Video Decoder IC(UPD64012_U801).

2. DDC COTROLLER

This section is composed gm1601H(U402) ,EEPROM IC (U404, U115, U120) and peripheral devices. gm1601H(U402) is controlling peripheral devices through IIC Line.

Major functions of this block are :

- (1) Controlling of u-COM and Flash memory through DDC-SCLA, DDC-SDAA of D-sub connector.
- (2) Storage of EDID DATA in the EEPROM(U115, U120).

3. ANALOG DIGITAL CONVERTER

This section is composed of MST9883C(U303) and peripheral devices. gm1601H(U402) is controlling MST9883C through IIC Line.

This IC is converting DTV(YPbPR) signal in to 16 bit Interlace signal and the signal is sent to De-interlace IC(MDIN150H_U901)

This output signal have CONTRAST, BRIHTNESS, SHARPNESS, COLOR, TINT information.

4. VIDEO DECODER

This section is composed of UPD64012(U801) and peripheral devices.

gm1601H(U402) is controlling UPD64012 through IIC Line. This IC is controlling CVBS input signal ,S-VIDEO(Y/C) input signal and DVD(YCbCr) input signal and converting input signals in to 16 bit interlace signal and the signal is sent to De-interlace IC(U901).

This output signal have CONTRAST, BRIHTNESS, SHARPNESS, COLOR, TINT information.

5. DE-INTERLACER

This section is composed of MDIN150H(U901) and peripheral devices.

gm1601H(U402) is controlling MDIN150H through IIC Line. This IC is converting 16bit interlace input signal in to 16bit De-interlace signal and the signal is sent to Video Signal Processor IC(gm1601H_U402).

6. AUDIO DECODER

This section is composed of MSP3420G(U501) and peripheral devices.

gm1601H(U402) is controlling MSP3420G through IIC Line. This IC is processing audio signal output of A/V Jack, PC Audio Jack.

This IC's output signal is sent to Audio Amplifier IC (TPA3004_U502).

7. AUDIO AMPLIFIER

This section is composed of TPA3004(U502) OR TPA3001 (U507) and peripheral devices.

Audio Amplifier's function is amplification of sound signal received from Audio Decoder.

Input Audio signal is amplified according to the DC Volume control curve.

8. VIDEO SIGNAL PROCESSOR (FORMAT CONVERTER)

This section is composed of gm1601H(U402) and peripheral devices.

gm1601H(SCALER_U402) have in built u-COM in IC.

- (1) This IC include A/D Converter, Pre-Amp, PLL Circuit.
- (2) This IC include TMDS Receiver and LVDS Transmitter.

TMDS Receiver is decoding input DVI Signal and LVDS Transmitter is encoding the output Signal .

Also, gm1501H have Format Converter (Scaling) function. This IC convert Various sized Digital signal to LCD Module's resolution (Full HD Format).

9. DC/DC COVERTER

DC/DC Converters change Power output voltage (DC 5V, 12V, 24V) to 1.5V, 2.5V, 3.3V, 5V, 8V, 9V.

(To be used by different IC on the main board.)

10. TEMPERATURE SENSING AND FAN CONTROL

This section is composed of LM35DT(U523), KIA358F(U524) and peripheral devices.

The temperature at surface of LM35DT(U523) is sensed and converted to HEX code by KIA358(U524).

gm1601H(U402) receives sensing HEX values from KIA358F(U524)and control FAN.

11. LIGHT SENSING AND BRIGHTNESS CONTROL

This section is composed of Sensor Board Assy's TLS2550(U702) and peripheral devices.

TLS2550(U702) IC senses amount of ambient light and converts to HEX CODE.

gm1601H(U402) receives sensing HEX values and controls System's Brightness.

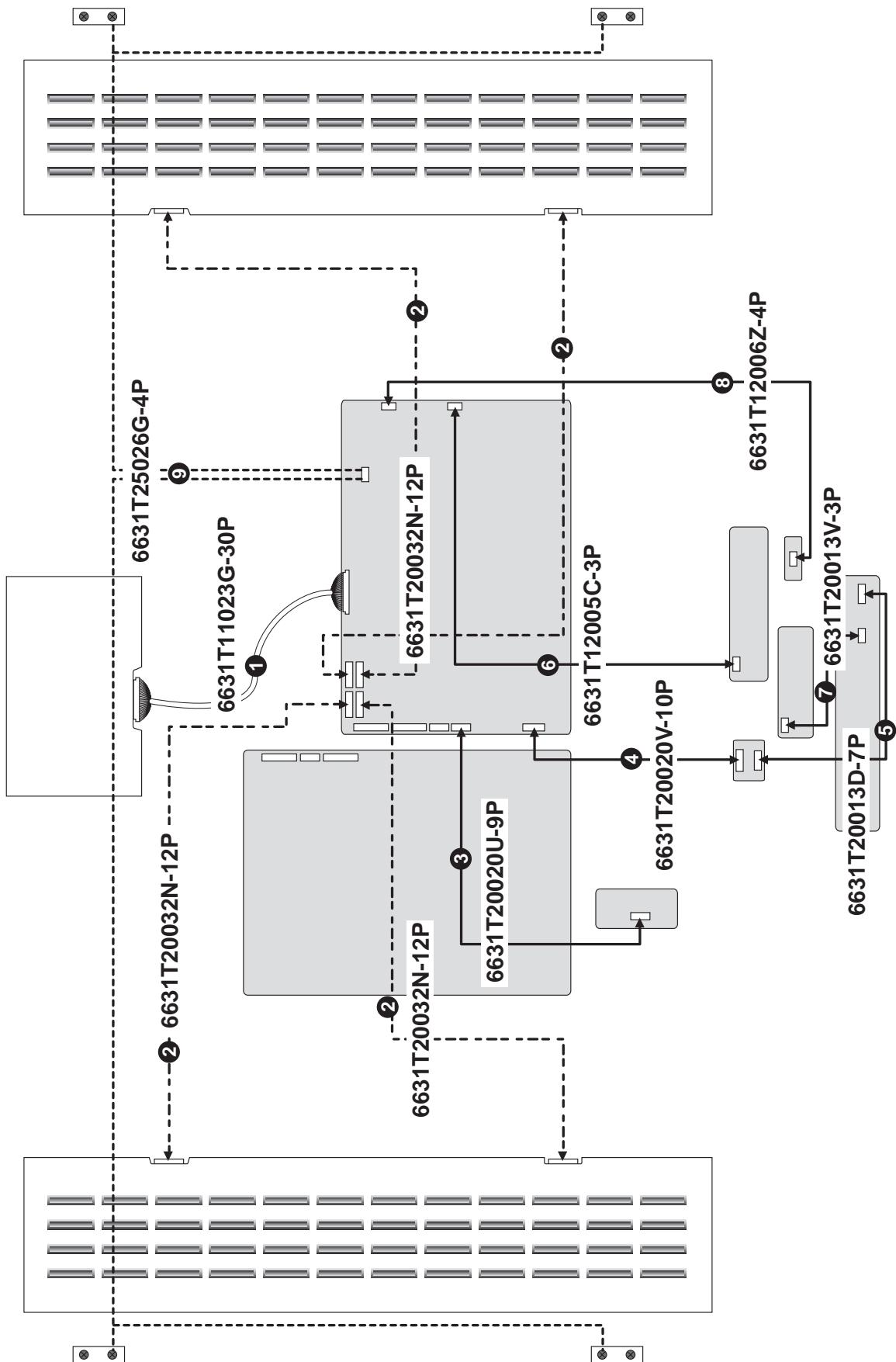
12. POWER SUPPLY BLOCK

Power supply receives AC voltage (100-240 V, 50/60Hz,) and converts to System voltage that are 5V, 12V, 18V and 24V DC voltage.

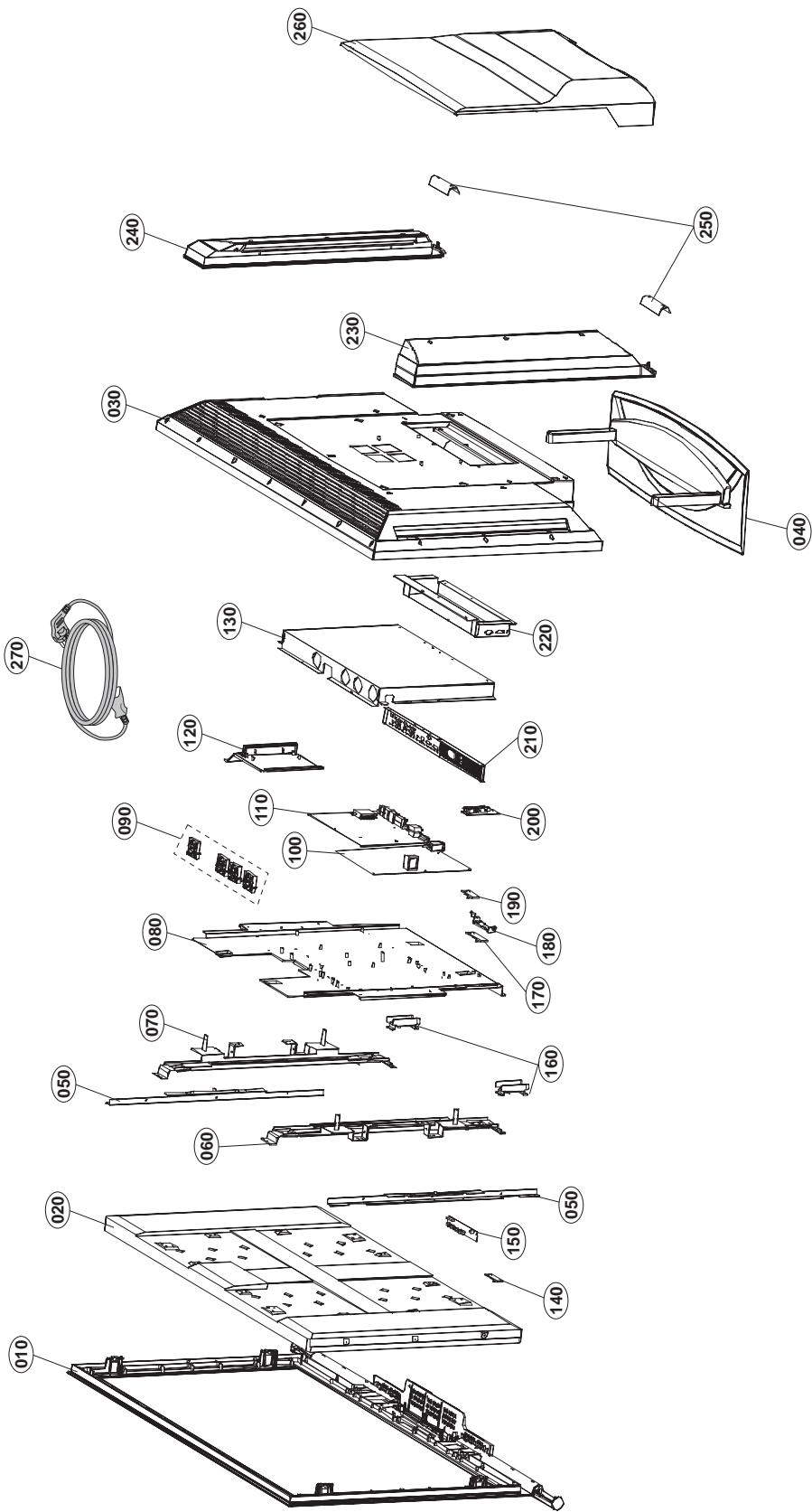
These voltages supports main board, inverter board and module's T-con board.

This Circuit contains PFC(Power Factor Correction) circuit. The Minimum Power efficiency is about 75%.

WIRING DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	PART NO.	DESCRIPTION
010	3091TKE020K	CABINET ASSEMBLY, 55LP1M BRAND 3090TKE017A NON
020	6304FLP296A	LCD(LIQUID CRYSTAL DISPLAY), LC550W01-A5K2 LG PHILPS TFT COLOR A5K1+STATUS PIN
	or 6304FLP205A	LCD(LIQUID CRYSTAL DISPLAY), LC550W01-A5K1 LG PHILPS TFT COLOR A1/ODC
030	3809TKE023C	BACK COVER ASSEMBLY, M5500C . COMMERCIAL
040	3043TKK215C	TILT SWIVEL ASSEMBLY, M5500C . SWIVEL.
050	4950TKK967A	METAL, SUPPORT SIDE MODULE RZ-55LP10
060	4951TKK217A	METAL ASSEMBLY, FRAME LEFT DN-55LP10
070	4951TKK216A	METAL ASSEMBLY, FRAME DN-55LP10 RIGHT
080	4950TKS318C	METAL, FRAME, MAIN M5500C
090	4951TKS238E	METAL ASSEMBLY, FIX FAN ASSY NOT ASSEMBLE PARTS PPB ONLY M46/5500
100	6871TPT320C	PWB(PCB) ASSEMBLY,POWER, M5500C COMMERCIAL POWER TOTAL BRAND WITHOUT RS-232
110	3313TL4010C	MAIN TOTAL ASSEMBLY, 55LP1M-WC BRAND CL-80
120	4950TKK968A	METAL, SUPPORT SIDE BOARD RZ-55LP10
130	4950TKA367A	METAL, SHIELD, M5500C COMMERCIAL
140	6871TST6621	PWB(PCB) ASSEMBLY,SUB, M5500C ETC TOTAL BRAND IR BOARD (ADD CONNECTOR)
150	6871TSTB54A	PWB(PCB) ASSEMBLY,SUB, M5500C CONTROL TOTAL BRAND COMMERCIAL
160	4950TKK971A	METAL, SUPPORT C/A BOTTOM RZ-55LP10
170	6871TST791B	PWB(PCB) ASSEMBLY,SUB, M5500C LED & P/SW TOTAL BRAND COMMERCIAL (ADD CONNECTOR)
180	6871TST775B	PWB(PCB) ASSEMBLY,SUB, M5500C LED & P/SW TOTAL BRAND LOGO LIGHT BOARD (WITH CONNECTOR)
190	6871TSTA02A	PWB(PCB) ASSEMBLY,SUB, M4600C (PB FREE) SUB TOTAL BRAND (LIGHT SENSOR)
200	6871TKT302A	PWB(PCB) ASSEMBLY,INTERFACE, M5500C INTERFACE TOTAL BRAND (COMMERCIAL RS232 BOARD)
210	4950TKA286B	METAL, REAR POWER BRACKET M5500C
220	3550TKK630C	COVER, M5500 REAR FOR COMMERCIAL
230	6401TZZ056B	SPEAKER ASSEMBLY, M5500C LEFT FRONT BK
240	6401TZZ055B	SPEAKER ASSEMBLY, M5500C RIGHT FRONT BK
250	4950TKK978A	METAL, PLATE AL DECO SPK REAR RZ-55LP10
260	3551TKK556C	COVER ASSEMBLY, M5500C TOTAL . COMMERCIAL
270	6410TCW007A	POWER CORD, LSG-31+LS-70 LONGWELL CCC 1870MM WALL CD/PB FREE BLACK-For china
	6410TUW008A	POWER CORD, LP31+LS13 LONGWELL UL/CSA 1870MM WALL CD/PB FREE BLACK-For U.S.A

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN, CH : Ceramic
CQ : Polyester
CE : Electrolytic
CF : Fixed Film

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RH : CHIP, Metal Glazed(Chip)
RR : Drawing

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CAPACITOR				
		C102	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C105	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C110	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C151	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C612	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C619	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C623	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C680	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C681	OCE477EF638	470UF KMG 16V M FM5 TP 5
		C225	OCH8336H611	33UF 25V M 85STD(CYL) R/TP
		C118	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C149	OCH5471K416	470PF 50V 5% NP0 2012 R/TP
		C206	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C226	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C234	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C289	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C292	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C306	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C320	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C369	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C370	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C373	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C377	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C379	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C401	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C402	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C408	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C4101	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C414	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C415	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C416	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C417	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C418	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C420	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C433	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C434	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C435	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C436	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C438	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C441	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C442	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C443	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C459	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C460	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C461	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C462	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C468	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C469	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C470	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C471	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C472	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C473	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C474	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C475	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C476	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP

*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C477	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C478	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C479	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C480	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C481	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C482	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C483	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C484	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C487	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C488	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C489	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C490	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C491	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C492	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C493	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C494	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C495	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C496	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C497	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C498	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C499	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C523	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C530	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C531	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C532	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C537	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C546	OCH5560K416	56PF 50V 5% NP0 2012 R/TP
		C548	OCH5560K416	56PF 50V 5% NP0 2012 R/TP
		C578	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C583	OCH3105H946	"1UF 2012 25V 80%, -20% F(Y5V"
		C584	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C602	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C614	OCH3103K516	10000PF 50V 10% B(Y5P) 2012
		C625	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C633	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C645	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C648	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C655	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C664	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C669	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C802	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C805	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C807	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C809	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C811	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C813	OCK106EF56A	10UF 3216 16V 10% X7R R/TP
		C818	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C819	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C823	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C824	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C825	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C826	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C827	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C828	OCH3104K566	0.1UF 50V 10% X7R 2012 R/TP

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		C508	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C509	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C510	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C511	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C512	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C513	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C514	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C515	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C519	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C529	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C533	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C535	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C542	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C543	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C545	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C547	0CH3105H946	"1UF 2012 25V 80%,-20% F(Y5V)"
		C549	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C550	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C551	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C553	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C554	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C555	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C556	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C557	0CK152CK51A	1500PF 1608 50V 10% R/TP B(
		C558	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C559	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C560	0CK152CK51A	1500PF 1608 50V 10% R/TP B(
		C563	0CH3105H946	"1UF 2012 25V 80%,-20% F(Y5V)"
		C565	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C566	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C567	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C568	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C570	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C571	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C572	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C574	0CK332CK51A	3300PF 1608 50V 10% R/TP B(
		C575	0CK332CK51A	3300PF 1608 50V 10% R/TP B(
		C576	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C579	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C580	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C582	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C586	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C604	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C606	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C607	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C609	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C610	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C611	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C615	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C617	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C620	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C621	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C622	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C629	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C634	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C639	0CK105CF94A	"1UF 1608 16V 80%,-20% R/TP"
		C654	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C656	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C660	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C661	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C679	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C682	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

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		C683	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C684	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C801	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C803	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C804	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C806	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C808	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C810	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C812	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C814	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C815	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C816	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C817	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C820	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C821	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C822	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C852	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C853	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C854	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C860	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C861	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C862	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C9010	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C9011	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C905	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C906	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C909	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C918	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C926	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C934	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C935	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C954	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C955	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C112	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C117	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C119	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C120	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C121	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C123	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C140	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C143	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C231	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C340	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C425	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
		C426	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
		C429	0CC150CK41A	15PF 1608 50V 5% R/TP NP0
		C430	0CC270CK41A	27PF 1608 50V 5% R/TP NP0
		C463	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C464	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C503	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C504	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C539	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C540	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C541	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C544	0CC560CK41A	56PF 1608 50V 5% R/TP NP0
		C552	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP
		C561	0CC271CK41A	270PF 1608 50V 5% R/TP NP0
		C562	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP
		C569	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C573	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C605	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C618	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C636	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C702	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C704	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C706	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C708	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C713	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C714	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C720	0CC331CK41A	330PF 1608 50V 5% R/TP NP0
		C725	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C726	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C727	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C728	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C730	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C732	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C848	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C849	0CC220CK41A	22PF 1608 50V 5% R/TP NP0
		C901	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP
		C9012	0CC821CK41A	820PF 1608 50V 5% R/TP NP0
		C902	0CC3R3CK01A	3.3PF 1608 50V 0.25 PF R/TP
		C948	0CC821CK41A	820PF 1608 50V 5% R/TP NP0
		C1002	0CE107WH6DC	100UF MVK 25V 20% R/TP(SMD)
		C1061	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C125	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C127	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C133	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C139	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C145	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C147	0CE476VC6DC	47UF MV 6.3V 20% R/TP(SMD)
		C205	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C212	0CE225VK6DC	2.2UF MV 50V 20% R/TP(SMD)
		C222	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD)
		C227	0CE225VK6DC	2.2UF MV 50V 20% R/TP(SMD)
		C228	0CE225VK6DC	2.2UF MV 50V 20% R/TP(SMD)
		C233	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C238	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C288	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C291	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C304	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C305	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C349	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C366	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C407	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C410	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD)
		C437	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C5015	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C5019	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C505	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C516	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C517	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C524	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C525	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C526	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C527	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C528	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C534	0CH8476H691	47UF 25V 20% 105STD (CYL) R
		C536	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C538	0CH8476H691	47UF 25V 20% 105STD (CYL) R
		C564	0CH8476H691	47UF 25V 20% 105STD (CYL) R
		C577	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C581	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C585	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C587	0CH8106F691	10UF 16V 20% 105STD (CYL) R
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		C588	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C601	0CH8476K611	47UF 50V 20% 85STD (CYL) R/
		C603	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C608	0CH8476K611	47UF 50V 20% 85STD (CYL) R/
		C616	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C624	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C626	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C627	0CH8476K611	47UF 50V 20% 85STD (CYL) R/
		C642	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C646	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C651	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C659	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C662	0CH8476K611	47UF 50V 20% 85STD (CYL) R/
		C666	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C667	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C671	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C678	0CH8106F691	10UF 16V 20% 105STD (CYL) R
		C735	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C846	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C847	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C850	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C904	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C914	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C915	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD)
		C916	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C925	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C931	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C936	0CH8226F691	22UF 16V 20% 105STD (CYL) R
		C953	0CH8226F691	22UF 16V 20% 105STD (CYL) R
DIODEs				
		U102	0DRCE00018A	"PACDN004SR,LF CAMD R/TP SOT"
		U105	0DRCE00018A	"PACDN004SR,LF CAMD R/TP SOT"
		U108	0DRCE00018A	"PACDN004SR,LF CAMD R/TP SOT"
		U109	0DRCE00018A	"PACDN004SR,LF CAMD R/TP SOT"
		D1002	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D1003	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D101	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D102	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D103	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D104	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D105	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D106	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D107	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D108	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D109	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D110	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D111	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D112	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D113	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D114	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D115	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D116	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D117	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D118	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D119	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D120	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D121	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D130	0DS0N00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D131	0DS0N00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D132	0DS0N00138A	"MMBD301LT1G,LF ON SEMI R/TP"

DATE: 2005. 11. 01.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		D505	ODSON00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D506	ODSON00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D507	ODSON00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D508	ODSON00138A	"MMBD301LT1G,LF ON SEMI R/TP"
		D603	ODS226009AA	KDS226 TP KEC - 80V - 4NS
		D604	ODS226009AA	KDS226 TP KEC - 80V - 4NS
		D605	ODS226009AA	KDS226 TP KEC - 80V - 4NS
		ZD1001	ODZ360009EB	UDZ 3.6B TP ROHM SOD323 200
		ZD501	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD502	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD101	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD102	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD103	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD104	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD105	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD106	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD107	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD108	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD109	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD110	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD111	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD112	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD113	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD114	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD401	ODZ910009FE	UDZS 9.1B TP ROHM - 9.1V
		ZD402	ODZ910009FE	UDZS 9.1B TP ROHM - 9.1V
		ZD403	ODZ910009FE	UDZS 9.1B TP ROHM - 9.1V
		ZD404	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD503	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD504	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD505	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD601	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD603	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD701	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD702	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD703	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD704	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD705	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD706	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD707	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD708	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD709	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD710	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD711	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD712	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD713	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD714	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD715	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD716	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD719	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD720	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD721	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD722	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD723	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD724	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
IC				
		U524	0IKE358000P	KIA358F 8P FLP-8 TP OP-AMP
		U403	0IMMRSG014C	M29W800DT70N SGS-THOMSON 48
		U114	0ISS524202B	"S524A40X21-SCT0, LF SAMSUNG"
		U115	0ISS524202B	"S524A40X21-SCT0, LF SAMSUNG"
DATE: 2005. 11. 01.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		U120	OISS524202B	"S524A40X21-SCT0, LF SAMSUNG"
		U401	OIMMRHY052C	"HY5DU281622ETP-5,PB FREE HY"
		U404	OIMMRSS040C	"S524A60X51-SC70,LF SAMSUNG"
		U406	OIMMRHY052C	"HY5DU281622ETP-5,PB FREE HY"
		U802	OISS416162D	K4S161622H-UC80 SAMSUNG ELE
		U902	OIMMRSS037F	"K4S643232H-UC60,LF SAMSUNG"
		U909	OIMMRSS037F	"K4S643232H-UC60,LF SAMSUNG"
		U201	OISO204000A	"CXA2040AQ 32P,QFP BK IIC BU"
		U523	OIPRPN030A	"LM35DZ,NOPB NATIONAL SEMICO"
		U116	OIPRPAD024A	"AD8009JRTZ,LF ANALOG DEVICE"
		U117	OIPRPAD024A	"AD8009JRTZ,LF ANALOG DEVICE"
		U118	OIPRPAD024A	"AD8009JRTZ,LF ANALOG DEVICE"
		U303	OIPRPM3002D	"MST9883C-LF-110 MSTAR 80P,L"
		U402	OIPRPGN007C	GM1601H-CF-LF(LEAD FREE) GE
		U501	OIPRPMN001C	MSP3420G-C12-100 MICRONAS 8
		U502	OIPRPTI036B	"TPA3004D2PHPRG4,LF TEXAS IN"
		U503	OIPRPRJR017A	"NUJ26901E2 JRC 8P,EMP R/TP"
		U505	OIPRPTI015A	MAX232DR TEXAS INSTRUMENT 1
		U801	OIPRPNE011A	"UPD64012GJ-8EN-A,PB FREE NE"
		U901	OIPRPM7001C	"MDIN-150H,ROHS,CHIP REVISIO"
		Q404	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VO
		Q506	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VO
		U204	OIPMGKE036A	KIA78DL09F KEC DPARK R/TP 9
		U304	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
		U504	OIPMGFA003F	"FAN1117AS25X,LF FAIRCHILD S"
		U608	OIPMGKE036A	KIA78DL09F KEC DPARK R/TP 9
		U609	OIPMGSG020A	"LD1117DT18TR,LF SGS-THOMSON"
		U611	OIPMGSG020A	"LD1117DT18TR,LF SGS-THOMSON"
		U612	OIPMGFA003F	"FAN1117AS25X,LF FAIRCHILD S"
		U614	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
		U616	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
		U803	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
		U804	OIPMGRH001D	"BA15BC0FP-E2 ROHM 3P,TO252"
		U907	OIPMGA0010A	AZ1117H-3.3 AAC SOT-223 3P
		U908	OIPMGFA003F	"FAN1117AS25X,LF FAIRCHILD S"
		U121	OIRH765700B	"BA7657F 24P,SOP TP INPUT SI"
		U101	OISS780800J	"KA78M08R 3P,D-PAK TP VOL. R"
		U203	OISS780500H	"KA78M05-R 3P,D-PAK TP 5V 0."
		U522	OISS780800J	"KA78M08R 3P,D-PAK TP VOL. R"
		U119	OISLFA058A	"74F14SCX FAIRCHILD 14P,SOIC"
		U122	OISL0026A	"MC14066BDR2G,LF ON SEMI 14P"
		U123	OISLFA058A	"74F14SCX FAIRCHILD 14P,SOIC"
		U124	OISLFA058A	"74F14SCX FAIRCHILD 14P,SOIC"
		U506	OIMCRTI001A	"SN74HCT157DR,LF TEXAS INST"
		U610	OISLTI049A	"CD4052BPWR,LF TEXAS INSTRUM"
COIL & CORE & INDUCTOR & FILTER				
		L511	6140TBZ007E	"SLF12575T-330M3R2,TDK SMD C"
		L512	6140TBZ007E	"SLF12575T-330M3R2,TDK SMD C"
		L513	6140TBZ007E	"SLF12575T-330M3R2,TDK SMD C"
		L514	6140TBZ007E	"SLF12575T-330M3R2,TDK SMD C"
		L409	6210TCE001F	HB-1S2012-800JT CERATEC 201
		L410	6210TCE001F	HB-1S2012-800JT CERATEC 201
		L920	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L613	6210TCE001H	HB-1T2012-301JT CERATEC 201
		L701	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L702	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L704	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L705	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L706	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L707	6210TCE001P	HB-1S2012-121JT CERATECH 20

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L710	6210TCE001F	HB-1S2012-800JT CERATEC 201
		L711	6210TCE001F	HB-1S2012-800JT CERATEC 201
		L712	6210TCE001H	HB-1T2012-301JT CERATEC 201
		L713	6210TCE001H	HB-1T2012-301JT CERATEC 201
		L204	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L215	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L216	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L411	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L412	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L618	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L620	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L627	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L801	6210TCE001Z	HH-1M2012-600JT CERATEC R/T
		L802	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L803	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L804	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L101	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L1010	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1012	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L103	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L104	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L107	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L108	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L109	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L110	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L111	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L112	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L113	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L114	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L115	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L201	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L213	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L214	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L307	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L308	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L309	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L401	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L402	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L403	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L404	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L405	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L406	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L407	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L408	6210TCE001Y	HB-1H2012-320JT CERATEC 201
		L501	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L502	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L503	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L504	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L505	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L506	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L507	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L508	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L509	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L510	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L515	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L601	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L602	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L603	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L604	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L605	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L606	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L607	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L608	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L614	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L615	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L616	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L617	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L619	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L621	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L622	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L624	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L625	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L626	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L631	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L632	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L633	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L634	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L718	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L719	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L901	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L902	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L903	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L904	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L905	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L906	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L921	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		R601	6200J00005N	HH-1M2012-121 CERATECH R/TP
		R630	6200J00005N	HH-1M2012-121 CERATECH R/TP
		R632	6200J00005N	HH-1M2012-121 CERATECH R/TP
		L703	OLC2000005D	"F1-B2012-332KJT,3.3 UH CERA"
TRANSISTOR				
		Q101	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q401	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q402	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q403	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q405	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q406	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q407	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q501	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q502	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q503	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q504	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q505	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q601	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q602	OTR162309CA	KSC1623 TP SAMSUNG SOT23 N
		Q206	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1001	OTR102009AJ	KRC102S KEC REEL TAPING SOT
		Q1002	OTR102009AJ	KRC102S KEC REEL TAPING SOT
		Q201	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q202	OTR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q203	OTR390409AE	FAIRCHILD KST3904(LGEMTF) T
		Q204	OTR390409AE	FAIRCHILD KST3904(LGEMTF) T
		Q205	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q207	OTR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q209	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q210	OTR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q211	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q212	OTR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q510	OTR390609FA	FAIRCHILD KST3906-MTF TP SO
		U1002	OTFIR80016B	"IRF7342TRPBF,LF INTERNATION"
		U601	OTFVI80067A	SI3865BDV(E3) VISHAY R/TP T
		U602	OTFVI80067A	SI3865BDV(E3) VISHAY R/TP T

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
	U603	OTFIR80009D	"IRF7316TRPBF,LF INTERNATION"	
	U607	OTFFC80009A	FAIRCHILD FDC6326L R/TP SOT	
RESISTORs				
	RA301	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA305	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA307	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA325	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA401	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA402	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA403	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA404	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA405	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA406	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA407	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA408	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA409	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA410	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA411	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA801	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA802	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA803	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA804	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA805	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA806	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA807	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA808	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA809	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA810	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA811	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA812	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA813	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA901	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA902	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA903	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA904	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA905	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA906	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA907	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA908	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA909	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA910	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA911	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA912	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA913	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA914	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA915	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA929	0RHZTCZ001A	RCA SMART 100OHM 1/16 W 5%	
	RA930	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA931	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA932	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA933	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA934	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA935	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA936	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	RA937	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3	
	R1055	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D	
	R1056	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00	
	R129	0RH4703D622	470K OHM 1 / 10 W 2012 5.00	
	R4003	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D	
	R4004	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D	

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R4005	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R4006	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R4007	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R4016	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R4017	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R4018	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R409	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R418	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R419	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R420	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R426	0RH2701D622	2.7K OHM 1 / 10 W 2012 5.00
		R428	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R430	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R431	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R440	0RH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R444	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R452	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R454	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R455	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R456	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R459	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R469	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R470	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R471	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R478	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R480	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R481	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R482	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R483	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R488	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R489	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R498	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R5024	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R540	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R542	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R543	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R546	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R817	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R822	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R905	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R913	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R914	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R961	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		L708	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L709	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R100	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1001	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1002	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1003	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1004	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R101	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R102	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R103	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R1034	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1035	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1036	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1037	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1038	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R104	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R1042	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1049	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R105	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1050	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1051	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R1052	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1053	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1054	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R106	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1068	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1069	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1070	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1071	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R1072	ORJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R1075	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1076	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1077	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1078	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1079	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R108	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R1080	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R109	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1090	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1091	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1092	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1093	ORH0562D622	56 OHM 1 / 10 W 2012 5.0%
		R110	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R113	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R114	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R116	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R117	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R118	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R119	ORJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R120	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R121	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R122	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R124	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R125	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R126	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R127	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R128	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R130	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R131	ORJ6802D677	68K OHM 1/10 W 5% 1608 R/TP
		R132	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R133	ORJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R134	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R135	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R136	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R137	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R138	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R139	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R140	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R141	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R142	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R143	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R144	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R145	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R146	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R147	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R148	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R149	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R150	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R151	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R152	ORJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R153	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R154	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R155	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R156	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R158	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R160	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R161	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R162	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R163	ORJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R165	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R166	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R167	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R168	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R169	ORJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R171	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R172	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R173	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R174	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R175	ORJ0752D477	75 OHM 1/10 W 1% 1608 R/TP
		R177	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R178	ORJ3300D477	330 OHM 1/10 W 1% 1608 R/TP
		R179	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R180	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R181	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R182	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R183	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R187	ORJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R188	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R189	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R190	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R191	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R192	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R193	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R194	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R196	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R197	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R198	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R199	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R206	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R218	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R221	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R223	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R227	ORJ6802D677	68K OHM 1/10 W 5% 1608 R/TP
		R228	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R229	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R232	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R236	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R237	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R238	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R239	ORJ2000D677	200 OHM 1/10 W 5% 1608 R/TP
		R240	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R241	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R243	ORJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R250	ORJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R251	ORJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R270	ORJ2000D677	200 OHM 1/10 W 5% 1608 R/TP
		R271	ORJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R272	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R273	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R274	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R275	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R276	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R277	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R280	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R281	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R282	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R283	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R284	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R285	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R288	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R289	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R290	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R317	ORJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R318	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R319	ORJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R320	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R322	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R323	ORJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R325	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R326	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R327	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R328	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R332	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R333	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R334	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R344	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R346	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R347	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R400	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R4008	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4009	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R401	ORJ1002D477	10K OHM 1/10 W 1% 1608 R/TP
		R4010	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4011	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4012	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4013	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4014	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R4015	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R402	ORJ1002D477	10K OHM 1/10 W 1% 1608 R/TP
		R408	ORJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R410	ORJ2700D477	270 OHM 1/10 W 1% 1608 R/TP
		R411	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R412	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R413	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R414	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R415	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R416	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R417	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R422	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R423	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R424	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R425	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R427	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R432	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R433	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R434	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R435	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R436	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R437	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R438	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R441	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R442	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R443	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R446	ORJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R447	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R448	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R449	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R450	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R451	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R453	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R457	ORJ3302D677	33K OHM 1/10 W 5% 1608 R/TP
		R460	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R461	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R462	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R464	ORJ3301D677	3.3K OHM 1/10 W 5% 1608 R/T
		R468	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R472	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R473	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R474	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R475	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R476	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R477	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R479	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R494	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R495	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R496	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R497	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R5001	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R5002	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R5003	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5004	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5005	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R5006	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R5007	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R5008	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R501	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R5010	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5011	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5013	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5014	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R5015	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R5016	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R502	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R5023	ORJ6801D477	6.8K OHM 1/10 W 1% 1608 R/T
		R5025	ORJ3901D477	3.9K OHM 1/10 W 1% 1608 R/T
		R503	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R504	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R505	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R506	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R508	ORJ3301D677	3.3K OHM 1/10 W 5% 1608 R/T
		R509	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R510	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R511	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R512	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R514	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R519	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R521	ORJ3302D677	33K OHM 1/10 W 5% 1608 R/TP
		R522	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R523	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R524	ORJ3302D677	33K OHM 1/10 W 5% 1608 R/TP
		R526	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R527	ORJ1203D677	120K OHM 1/10 W 5% 1608 R/T
		R528	ORJ1203D677	120K OHM 1/10 W 5% 1608 R/T
		R529	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R530	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R531	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R534	ORJ2402D677	24K OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R535	ORJ2002D477	20K OHM 1/10 W 1% 1608 R/TP
		R536	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R537	ORJ2402D677	24K OHM 1/10 W 5% 1608 R/TP
		R538	ORJ2402D677	24K OHM 1/10 W 5% 1608 R/TP
		R539	ORJ3302D477	33K OHM 1/10 W 1% 1608 R/TP
		R541	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R544	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R545	ORJ3302D677	33K OHM 1/10 W 5% 1608 R/TP
		R550	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R551	ORJ3302D677	33K OHM 1/10 W 5% 1608 R/TP
		R552	ORJ2702D677	27K OHM 1/10 W 5% 1608 R/TP
		R554	ORJ2002D677	20000 OHM 1/10 W 5% 1608 R/
		R556	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R557	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R558	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R559	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R560	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R561	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R562	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R565	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R579	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R580	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R581	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R583	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R585	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R586	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R587	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R588	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R592	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R593	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R595	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R597	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R603	ORJ3301D677	3.3K OHM 1/10 W 5% 1608 R/T
		R604	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R605	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R607	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R613	ORJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R615	ORJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R616	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R625	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R627	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R634	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R636	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R638	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R639	ORJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R640	ORJ5600D677	560 OHM 1/10 W 5% 1608 R/TP
		R641	ORJ2202D677	22K OHM 1/10 W 5% 1608 R/TP
		R642	ORJ5600D677	560 OHM 1/10 W 5% 1608 R/TP
		R646	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R648	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R701	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R702	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R703	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R704	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R705	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R706	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R707	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R708	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R709	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R710	ORJ4703D677	470K OHM 1/10 W 5% 1608 R/T
		R711	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R712	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R713	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R714	ORJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R715	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R716	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R717	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R718	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R719	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R720	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R721	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R722	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R723	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R724	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R725	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R726	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R727	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R728	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R729	ORJ5600D677	560 OHM 1/10 W 5% 1608 R/TP
		R730	ORJ5600D677	560 OHM 1/10 W 5% 1608 R/TP
		R731	ORJ5600D677	560 OHM 1/10 W 5% 1608 R/TP
		R733	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R734	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R735	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R808	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R809	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R810	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R811	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R812	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R813	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R814	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R816	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R818	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R819	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R823	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R901	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R906	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R907	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R909	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R910	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R911	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R912	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R915	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R916	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R917	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R918	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R919	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R956	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R957	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R960	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R962	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R963	ORJ1005D677	10M OHM 1/10 W 5% 1608 R/TP
		R965	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R966	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP

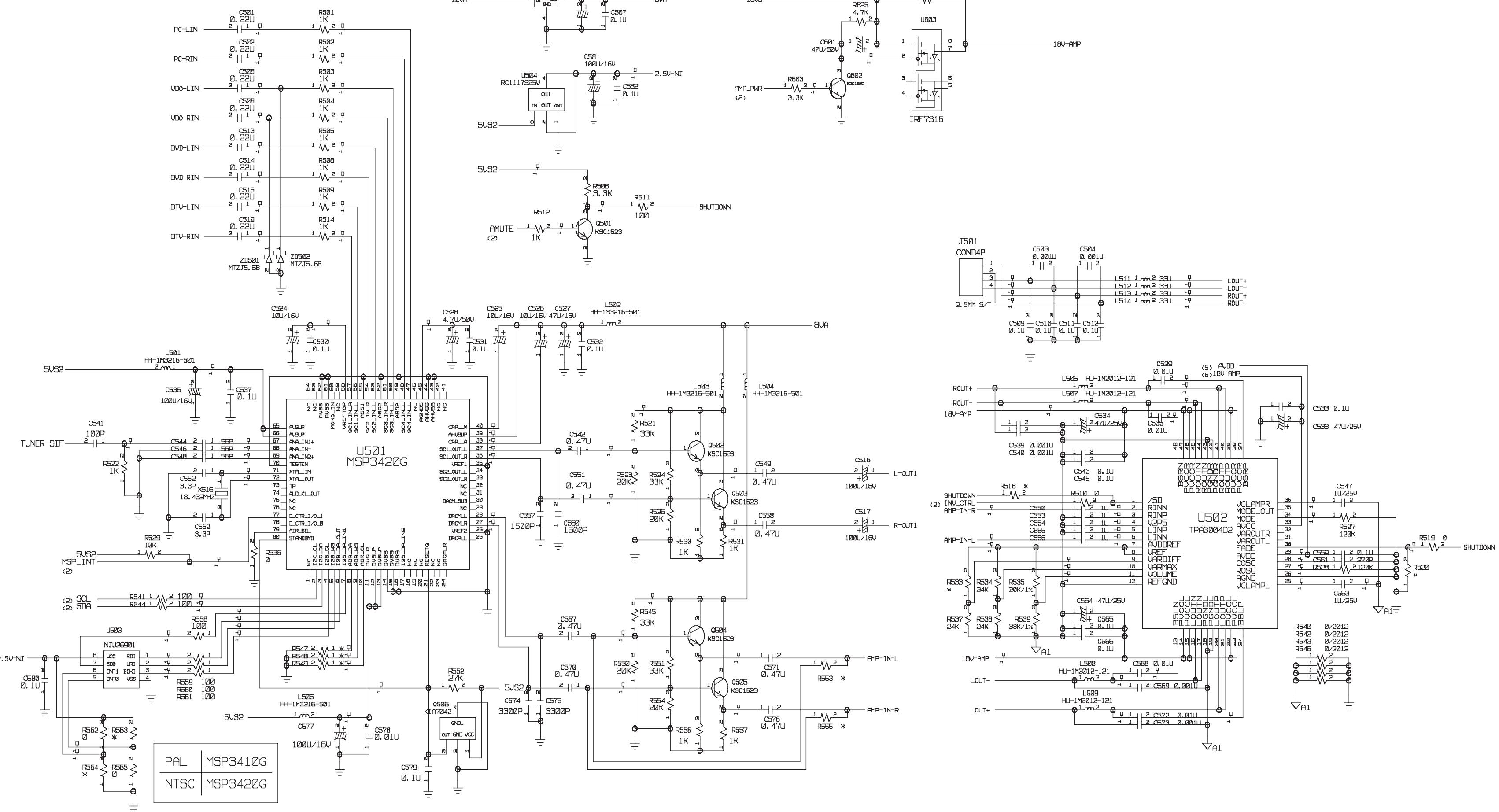
OTHERs

	X401	6202TST001A	"SX-1 SUNNY ,SMS, 14.31818MH"
	X516	6202TST003B	HC-49/SM5H KONY CHIP 18.432
	X801	6212AB2806A	SX-1 SUNNY 24.576MHZ +/- 50
	X901	6202TST001H	SX-1 SUNNY 27MHZ +/- 30 PPM

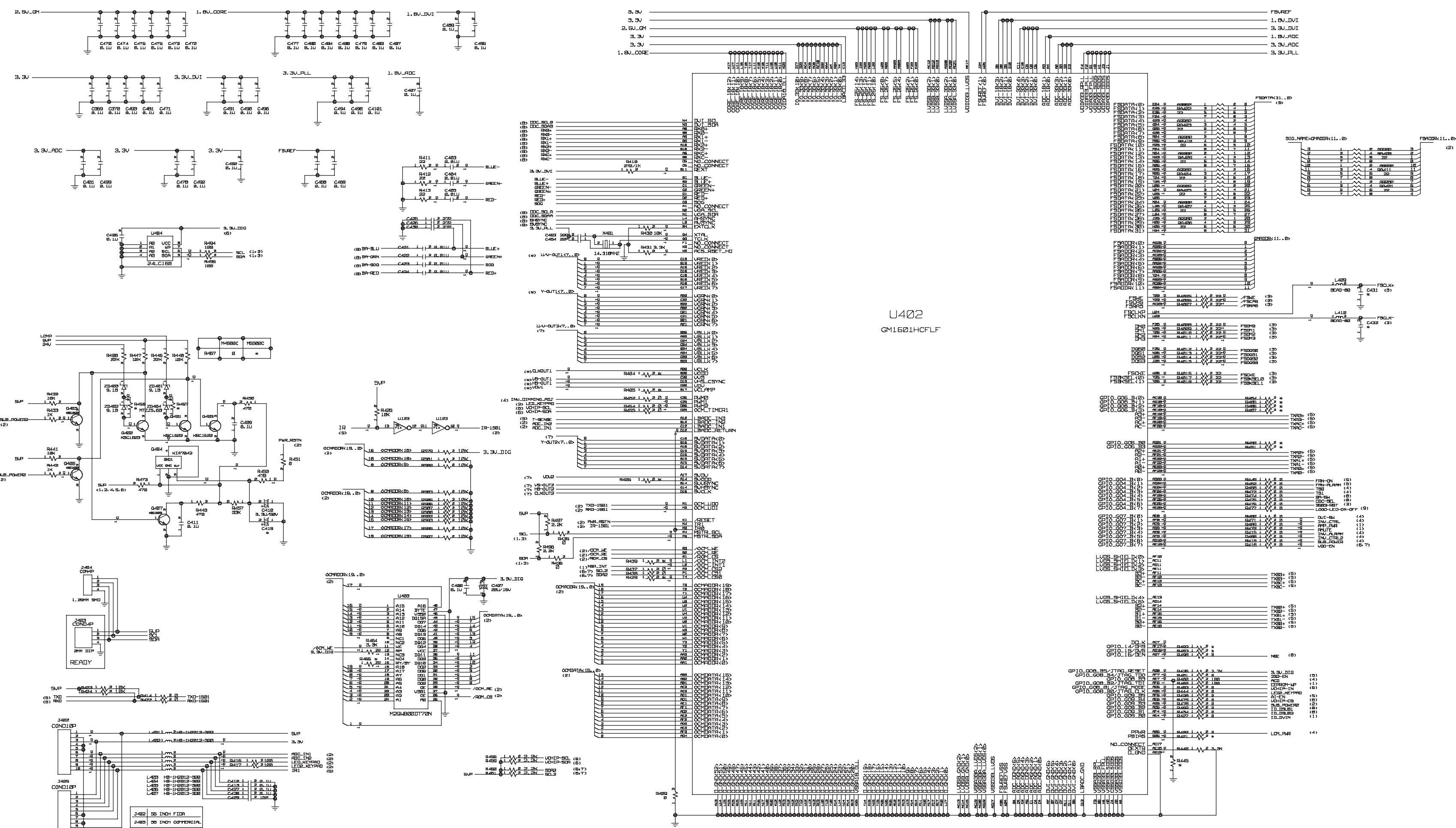
DATE: 2005. 11. 01.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
INTERFACE BOARD				
		R801	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R802	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R803	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R804	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R805	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R806	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R807	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R808	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		ZD801	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD802	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD803	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD804	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD805	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD806	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD807	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD808	ODZKE00228A	KDZ24V KEC R/TP USC 200MW 2
		ZD809	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD810	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD811	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
IR BOARD				
		C1000	OCN1010K519	100PF D 50V 10% B(Y5P) TA52
		C1001	OCE476DF618	47UF STD 16V 20% FL TP 5
		L1000	OLA0102K119	10UH 10% A 2.3 X 3.4 TA52 -
		R1000	ORD0102F609	10 OHM 1/6 W 5% TA52
		SW910	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW911	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW912	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW913	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW914	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW915	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW916	140-058B	EVQ PB2 05K MATUSHITA NON 1
		SW917	140-058B	EVQ PB2 05K MATUSHITA NON 1
		PA1000	6726VV0006J	TSOP2238MQ1 VISHAY 38KHZ MC
LOGO BOARD				
		LED801	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED802	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED803	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED804	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED805	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED806	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED807	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED808	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED809	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED810	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED811	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED812	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED813	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED814	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED815	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED816	ODLNC0058AA	NICHIA NSCW215T R/TP WHITE
		C3100	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3101	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3102	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3103	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3104	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3105	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3106	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
LED & P/SW BOARD				
		R3107	OCE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3108	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3109	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3110	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3111	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3112	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3113	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3114	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3115	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		Q3101	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3102	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3103	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3104	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3105	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3106	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3107	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3108	OTR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R3101	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3102	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3103	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3104	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3105	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3106	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3107	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3108	ORJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3109	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3110	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3111	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3112	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3113	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3114	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3115	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3116	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3120	ORJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
LIGHT SENSOR BOARD				
		C708	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		U702	OIPRPTX001A	"TSL2550T TAOS 4P, TRAY LIGH"
		ZD709	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD714	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
		ZD715	ODZ560009DA	UDZ S 5.6B TP ROHM-K SOD323
CONTROL BOARD				
		C920	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C921	OCK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C922	OCK105CF94A	"1UF 1608 16V 80%, -20% R/TP"
		R911	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R912	ORJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R913	ORJ1501D677	1.5K OHM 1/10 W 5% 1608 R/T
		R914	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R916	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T

DATE: 2005.11.01.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R917	ORJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R918	ORJ1501D677	1.5K OHM 1/10 W 5% 1608 R/T
		R919	ORJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R932	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R933	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R934	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R935	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R936	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R937	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP

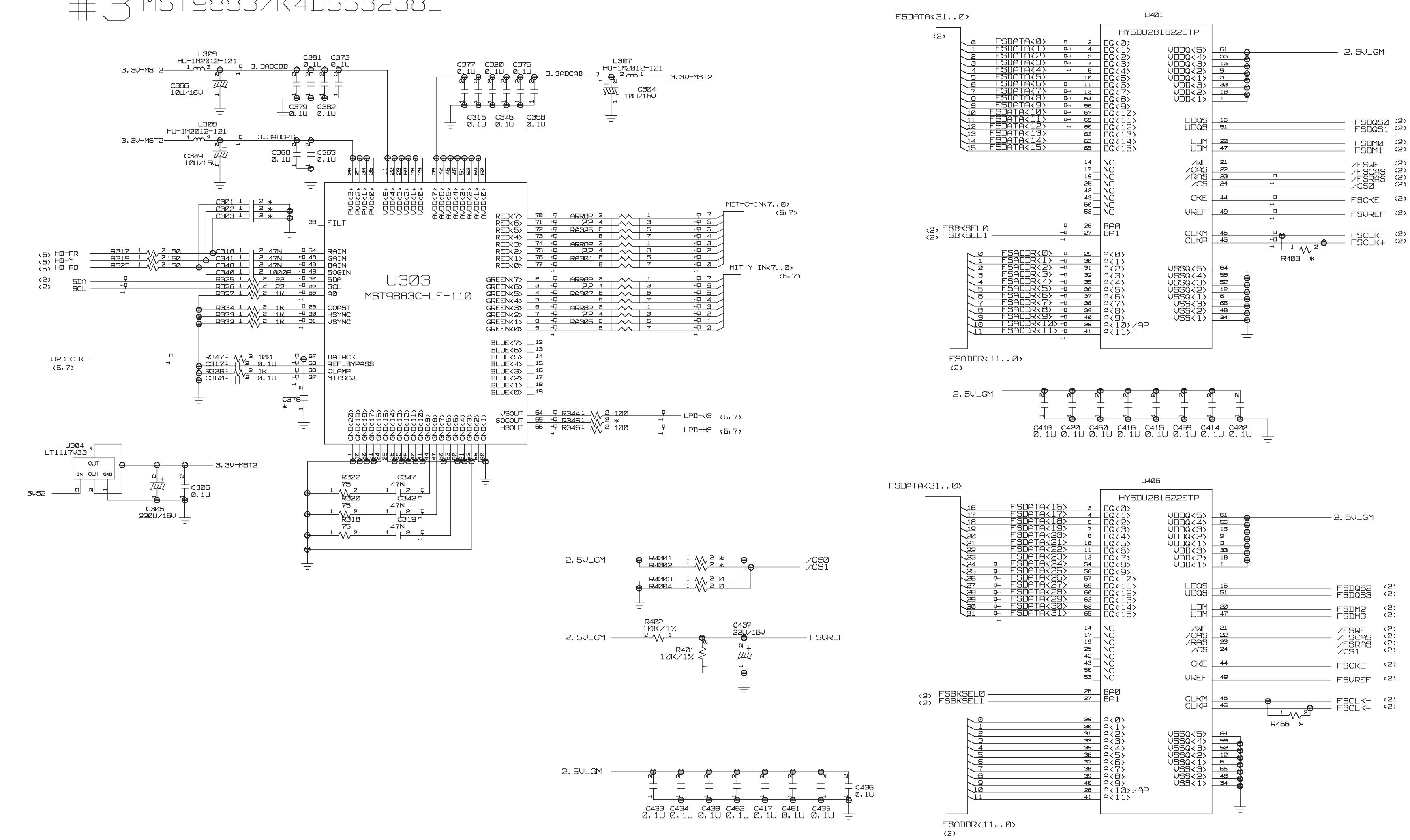
1 AUDIO CTL / AMP



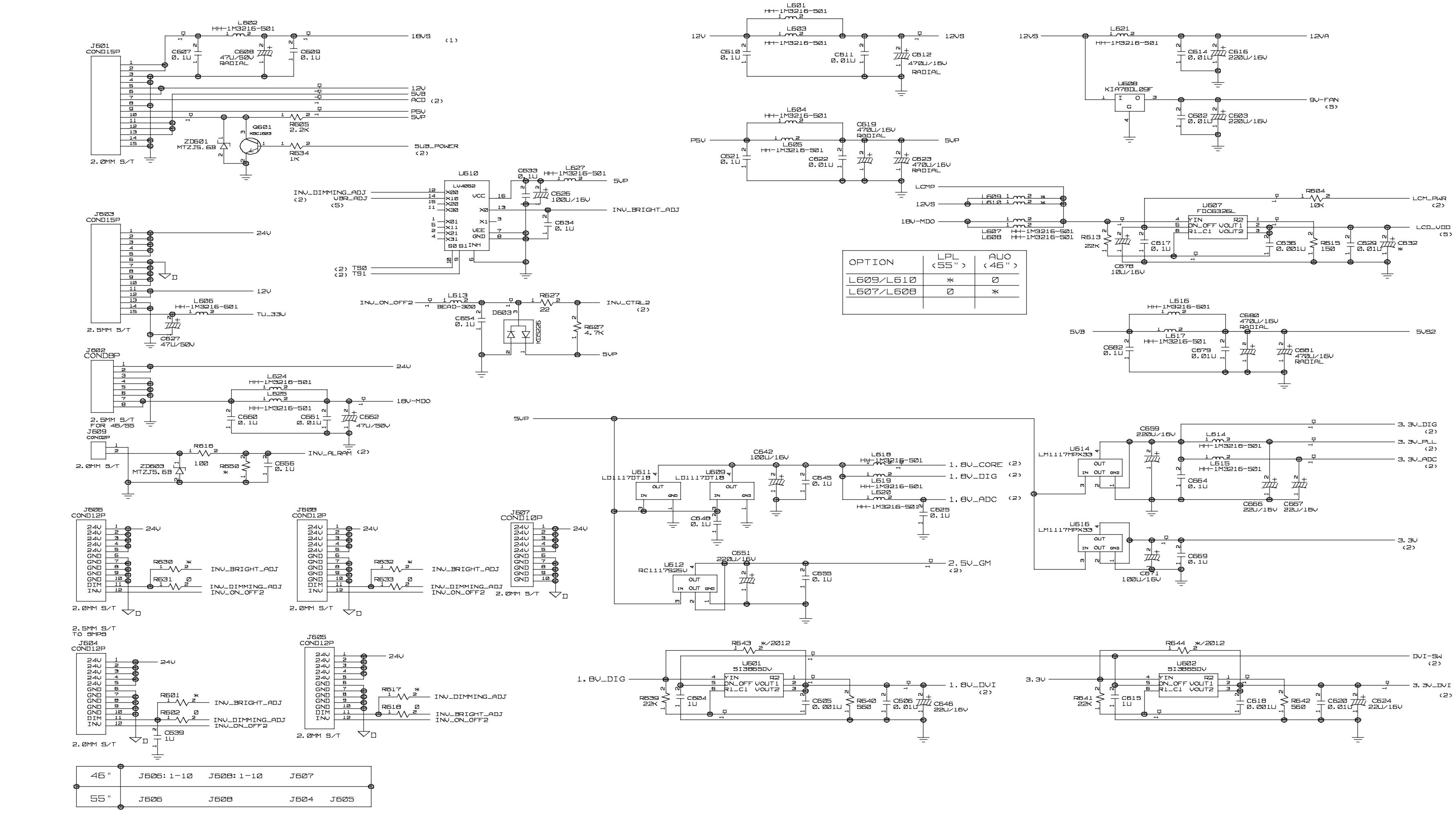
-2 SCALER<GM1601>



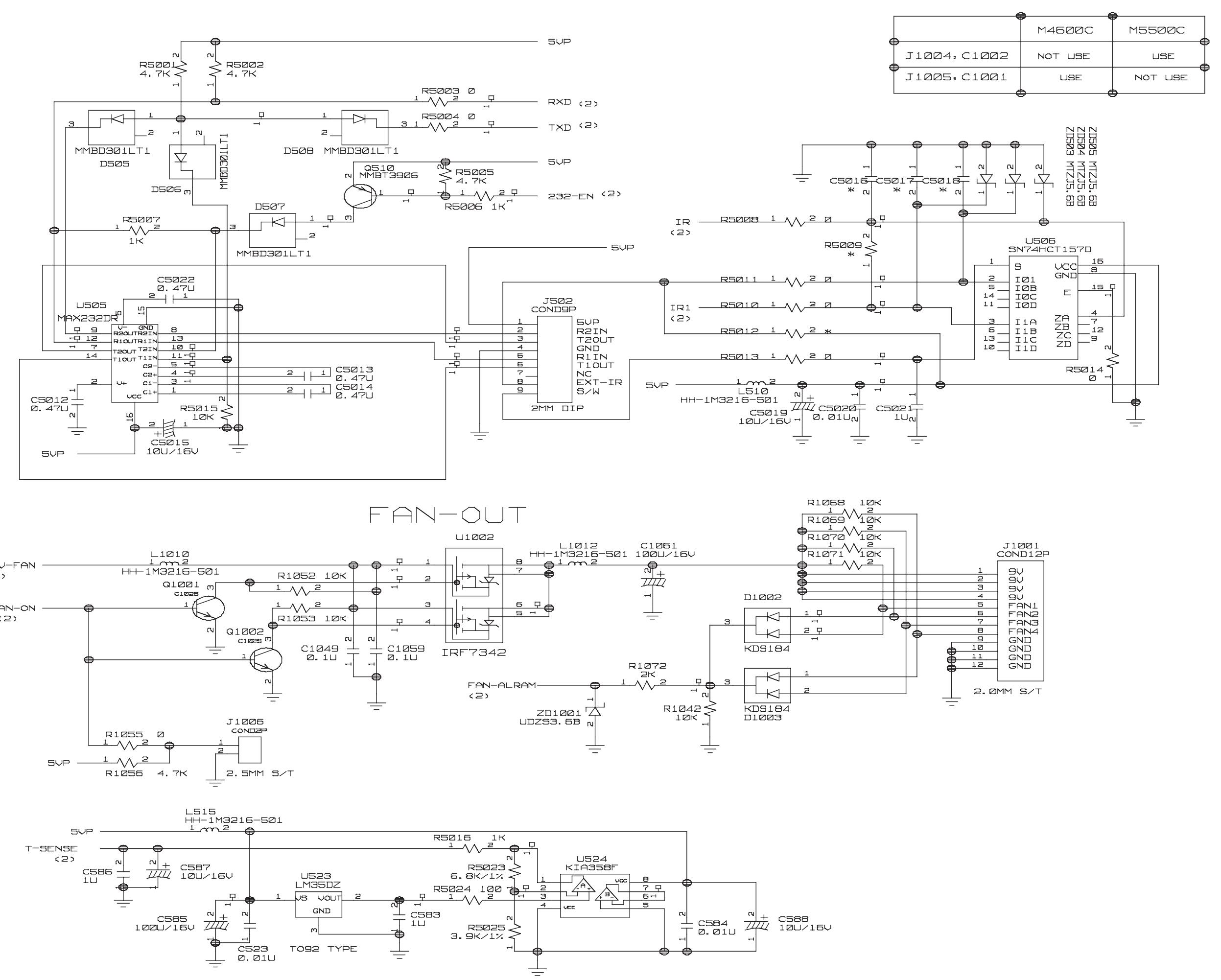
3 MST9883/K4D553238E



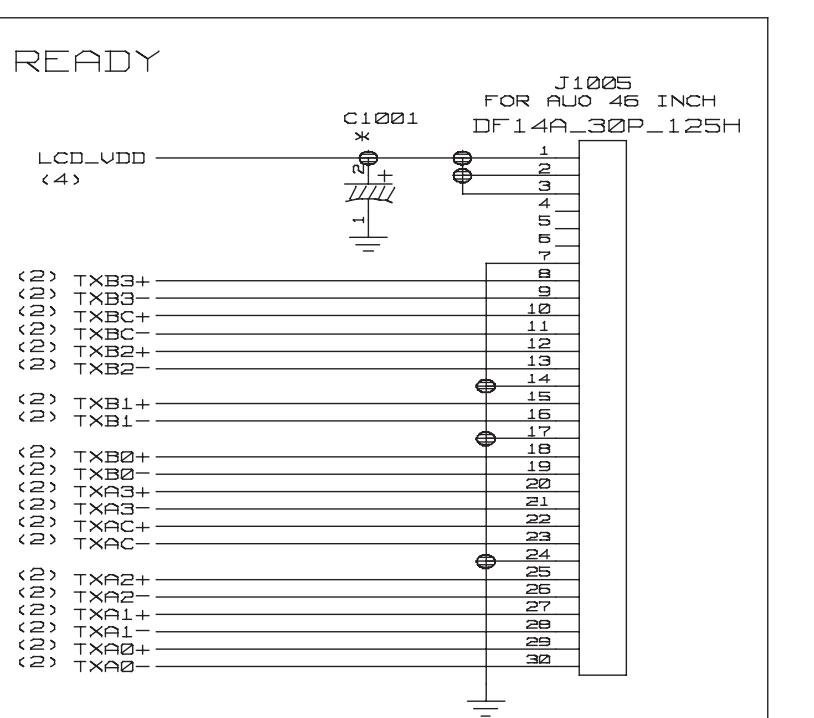
4 POWER/CONNECTOR



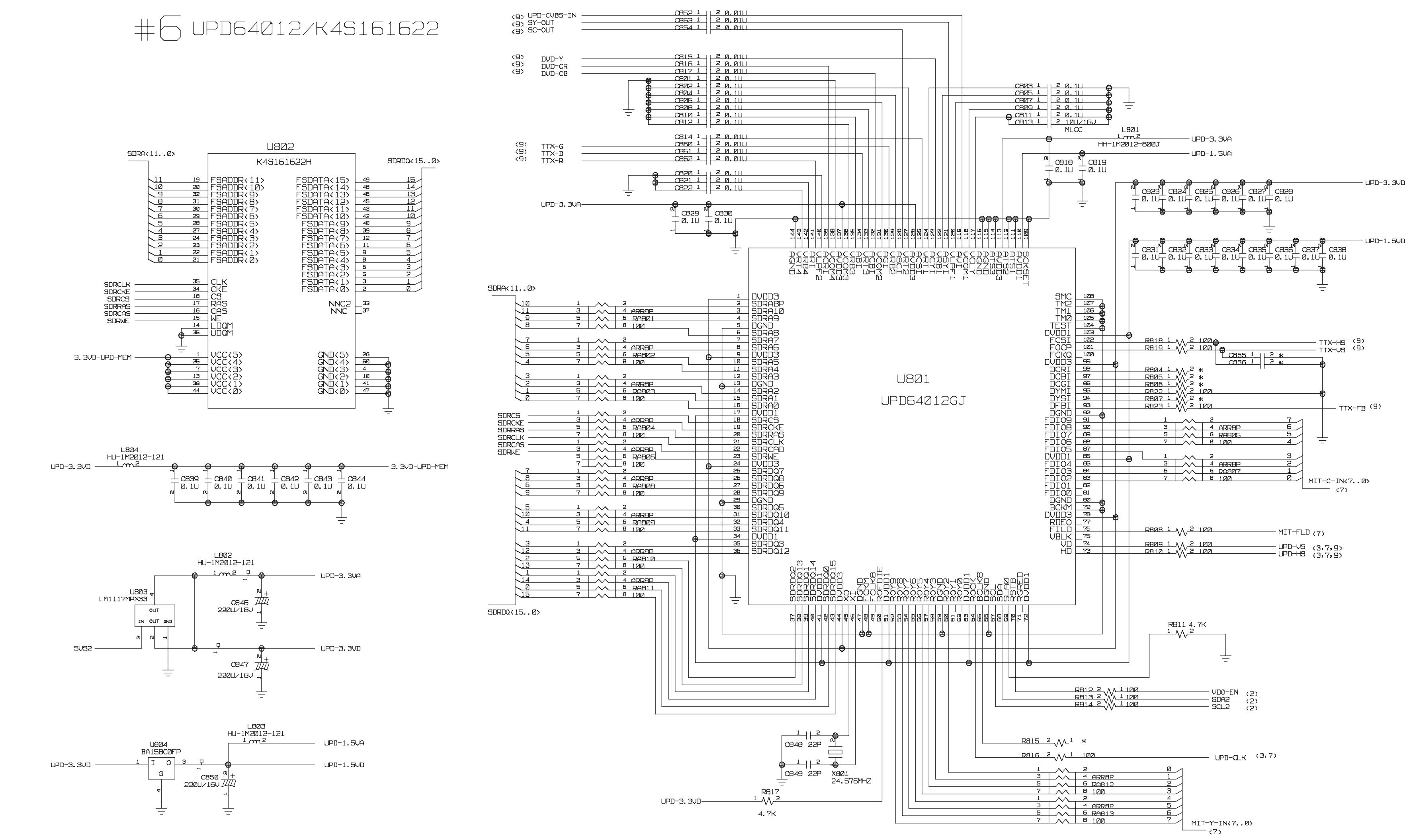
#5 FAN CONTROL/RS232C/OUTPUT CONNECTOR



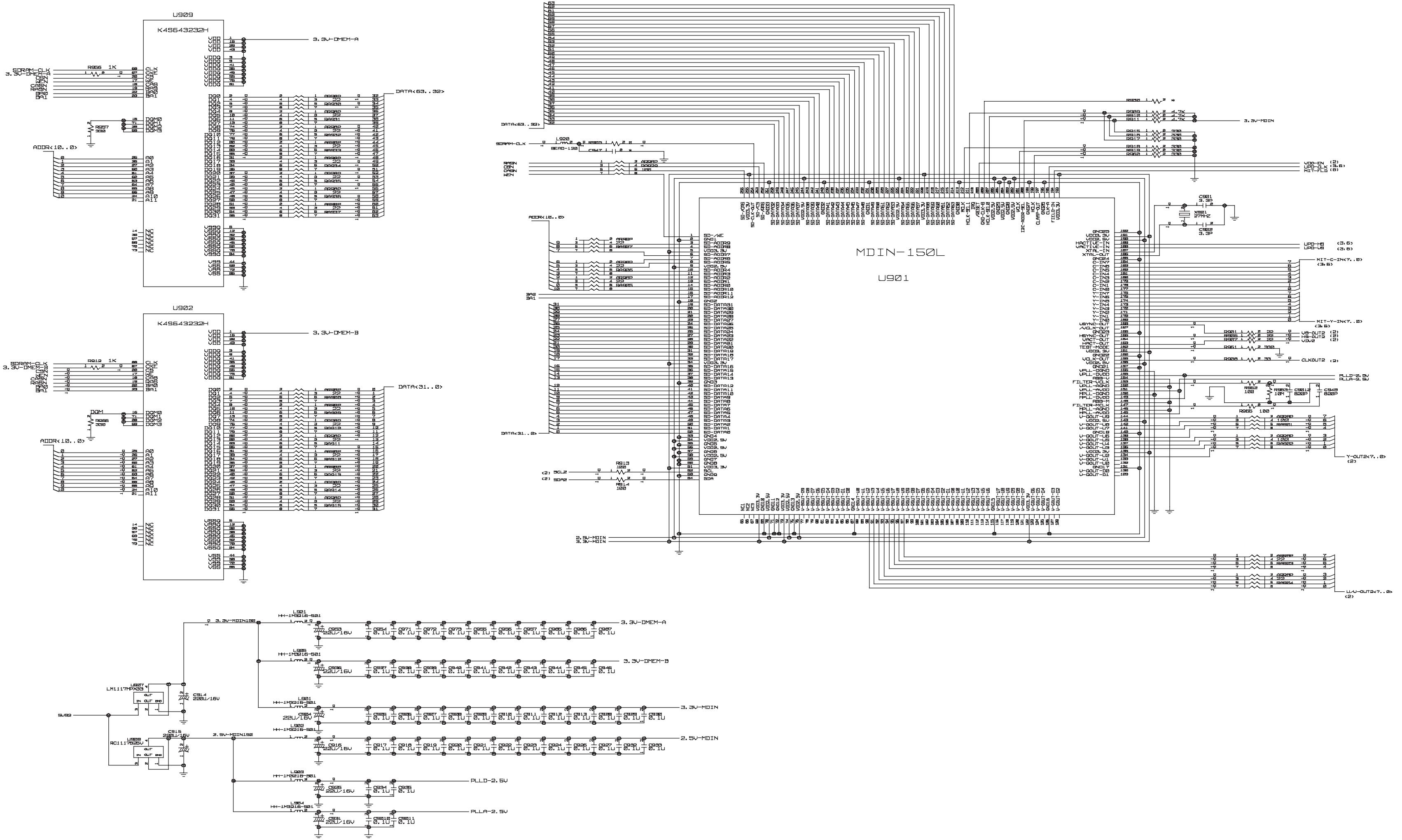
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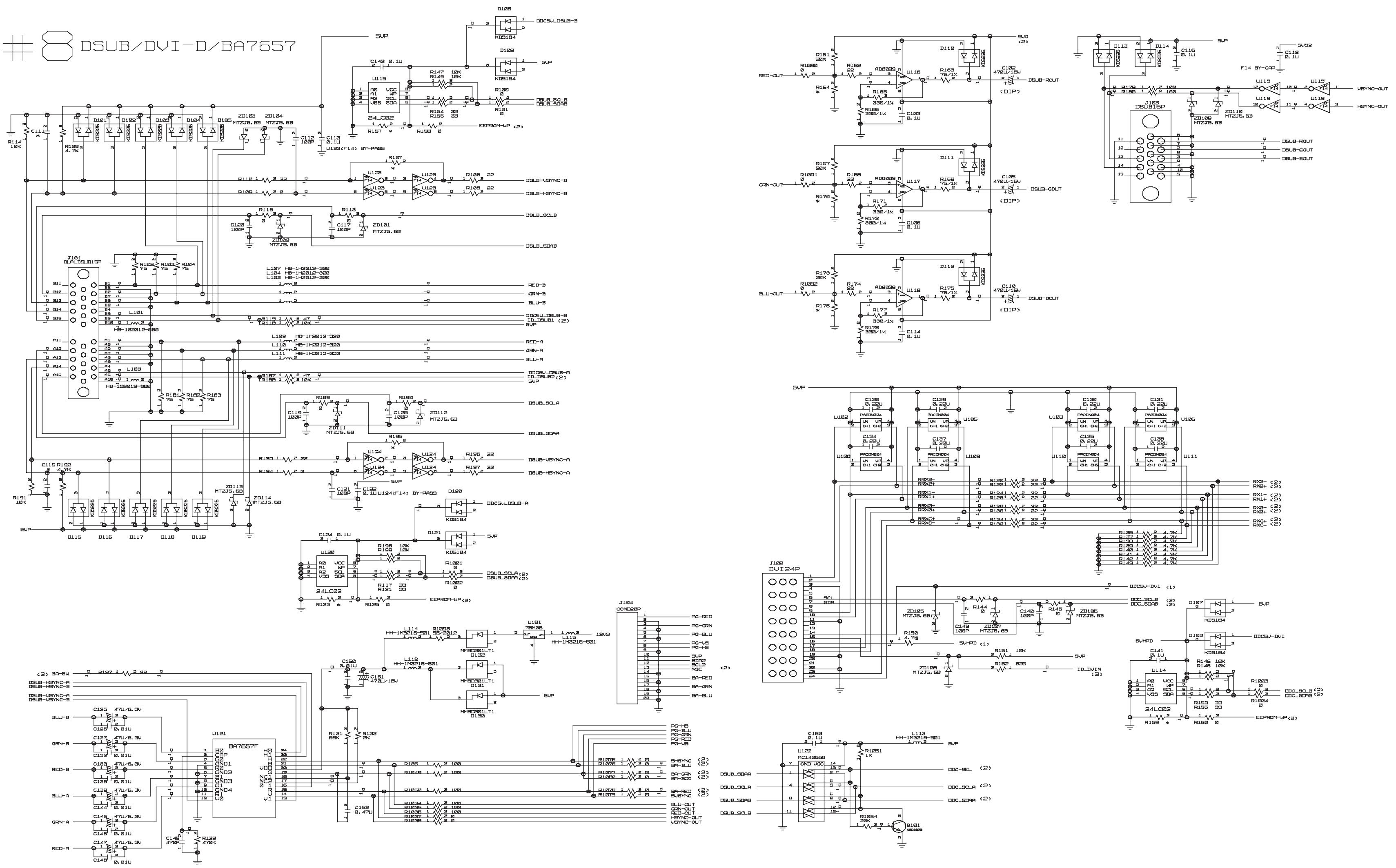
#6 UPD64012/K4S161622



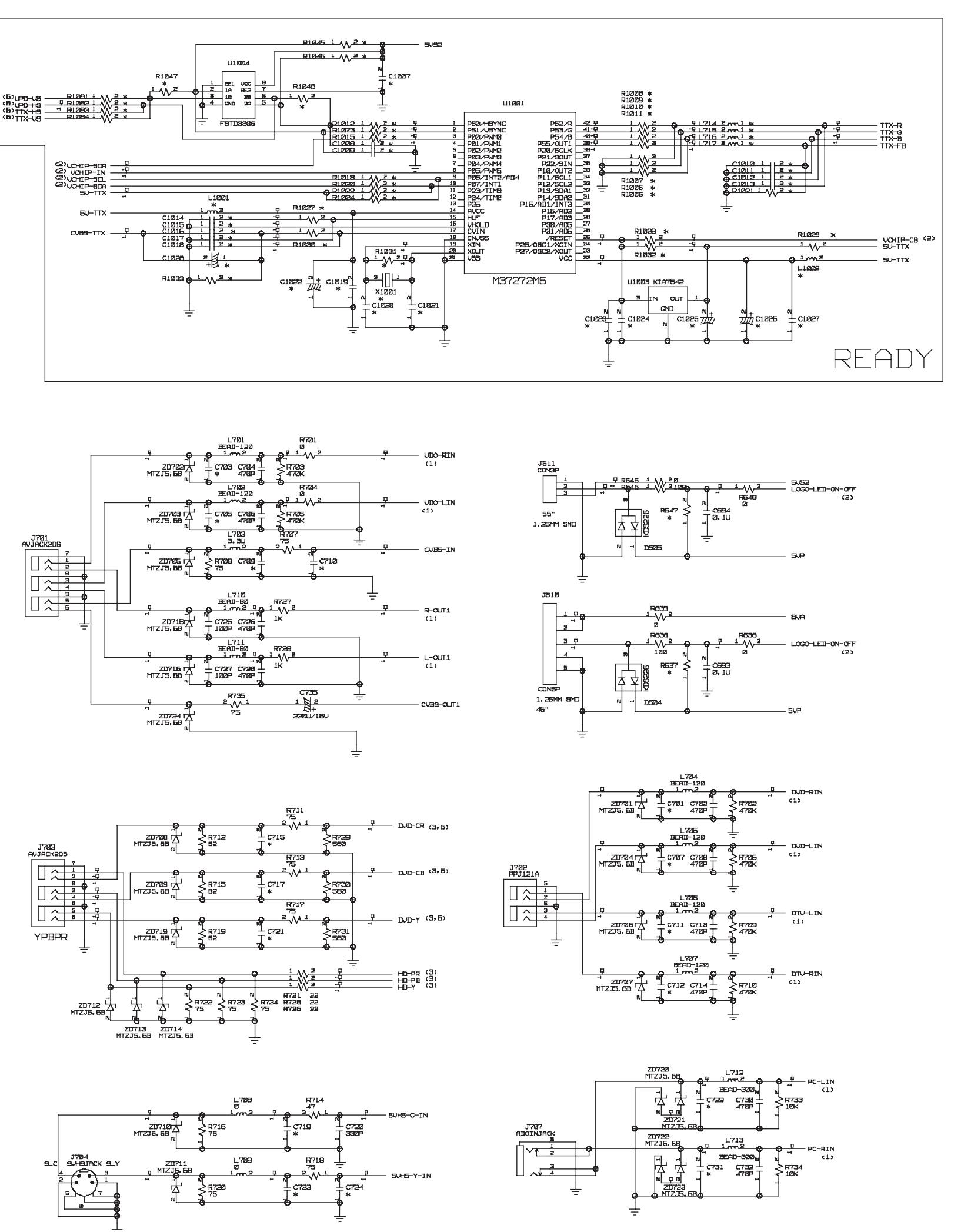
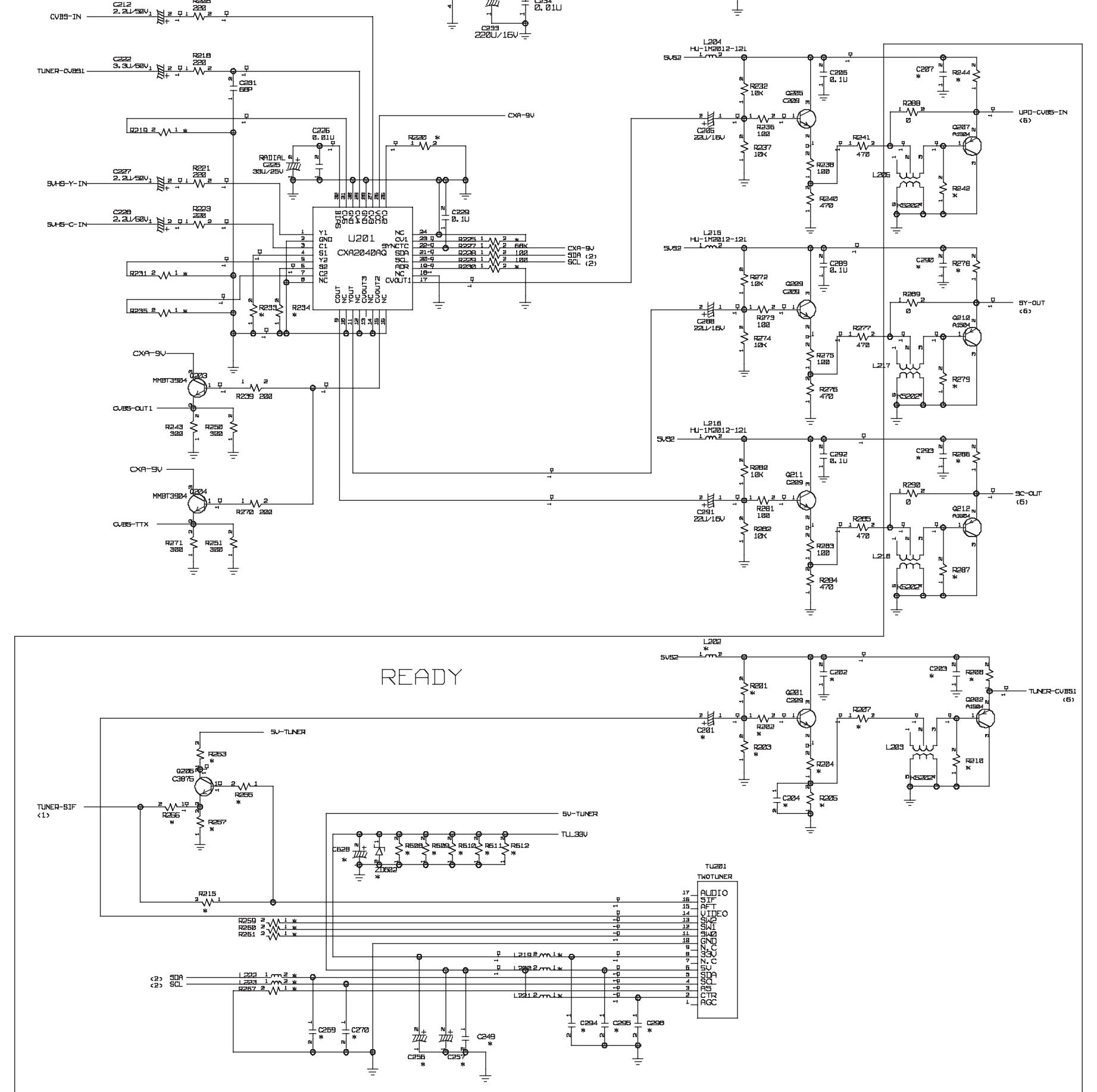
#7 MDIN150/MEMORY



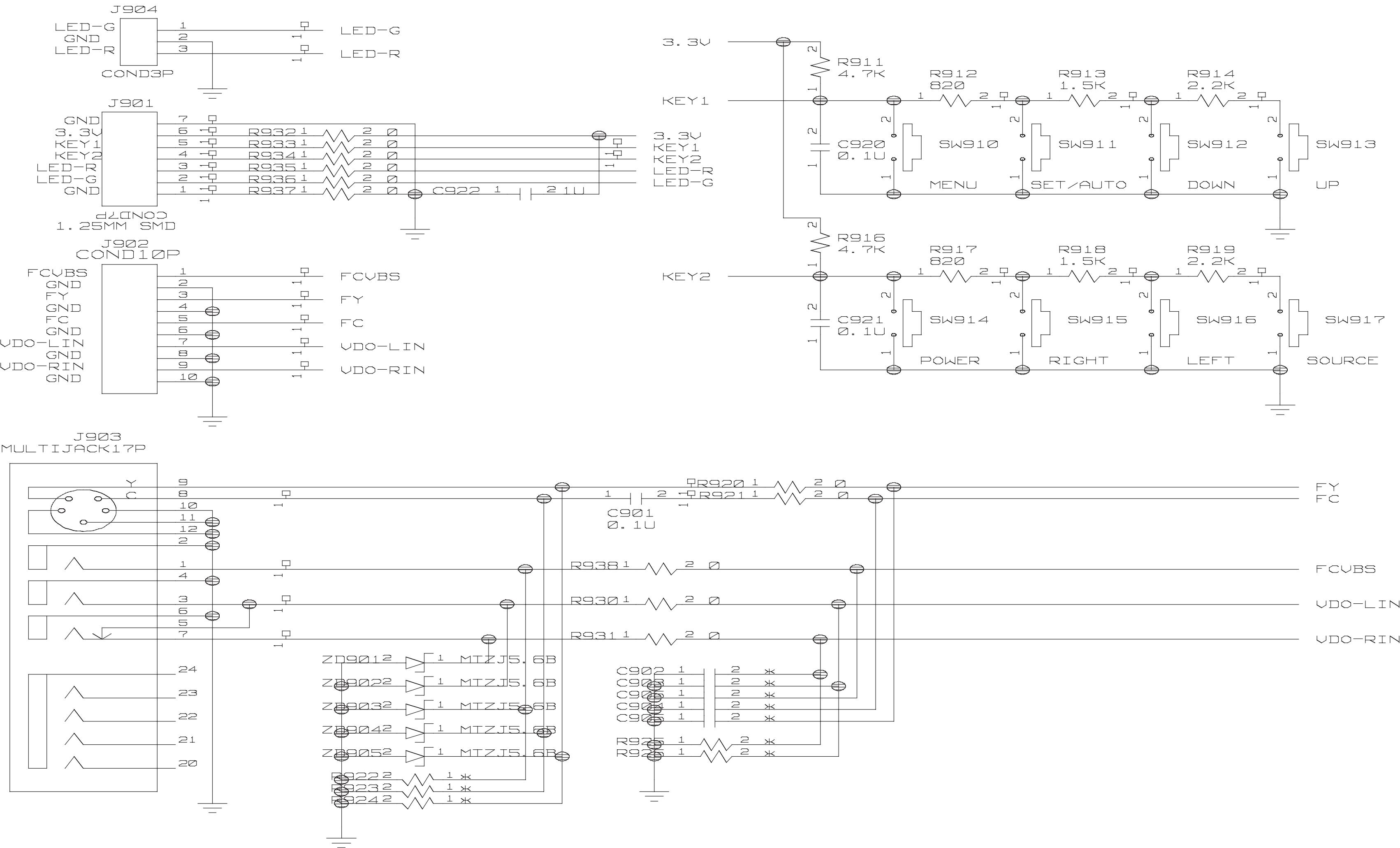
8 DSUB/DVI-D/BA7657



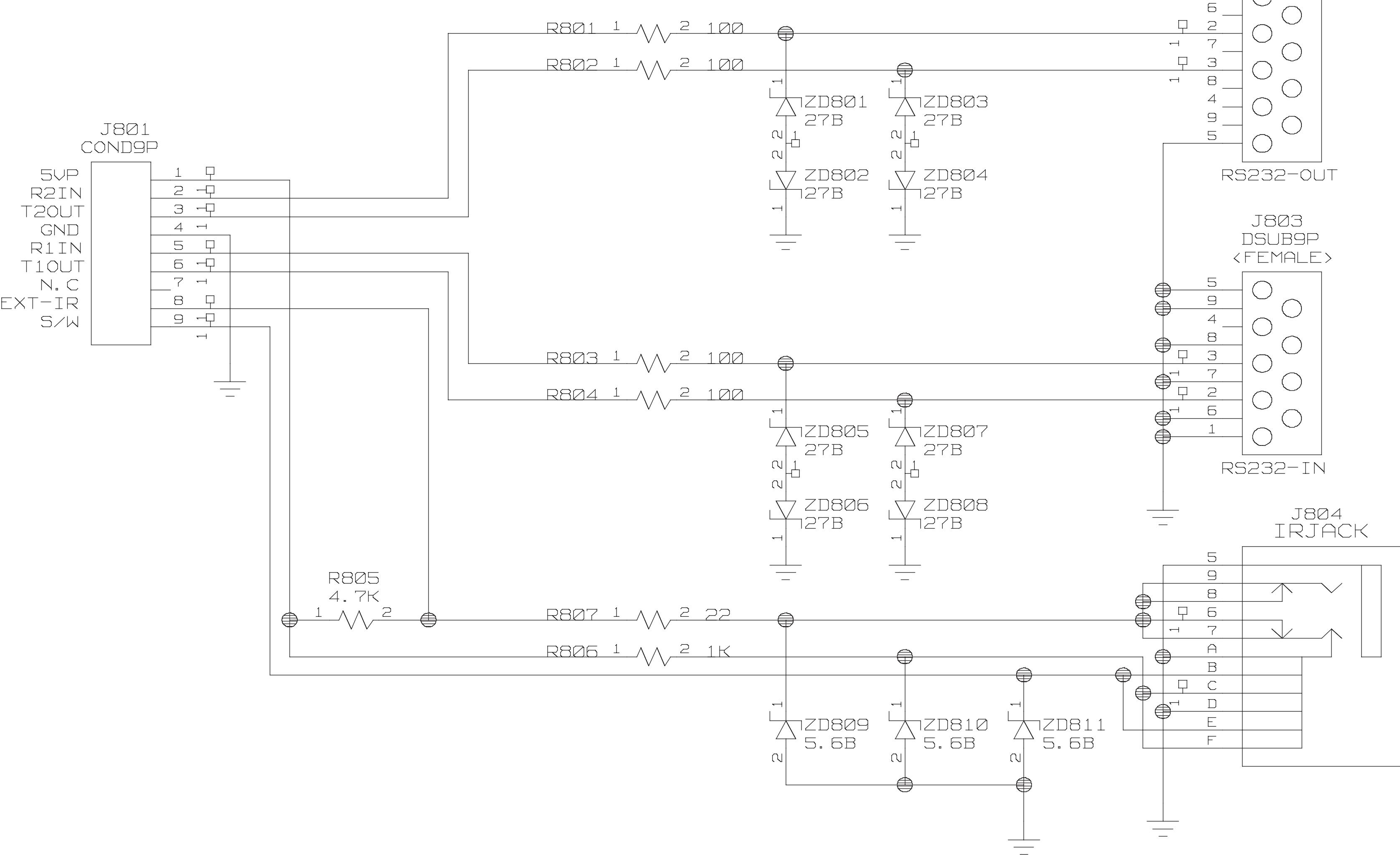
#9 CXA2040AQ/TUNER/M37272M6/AV-JACK



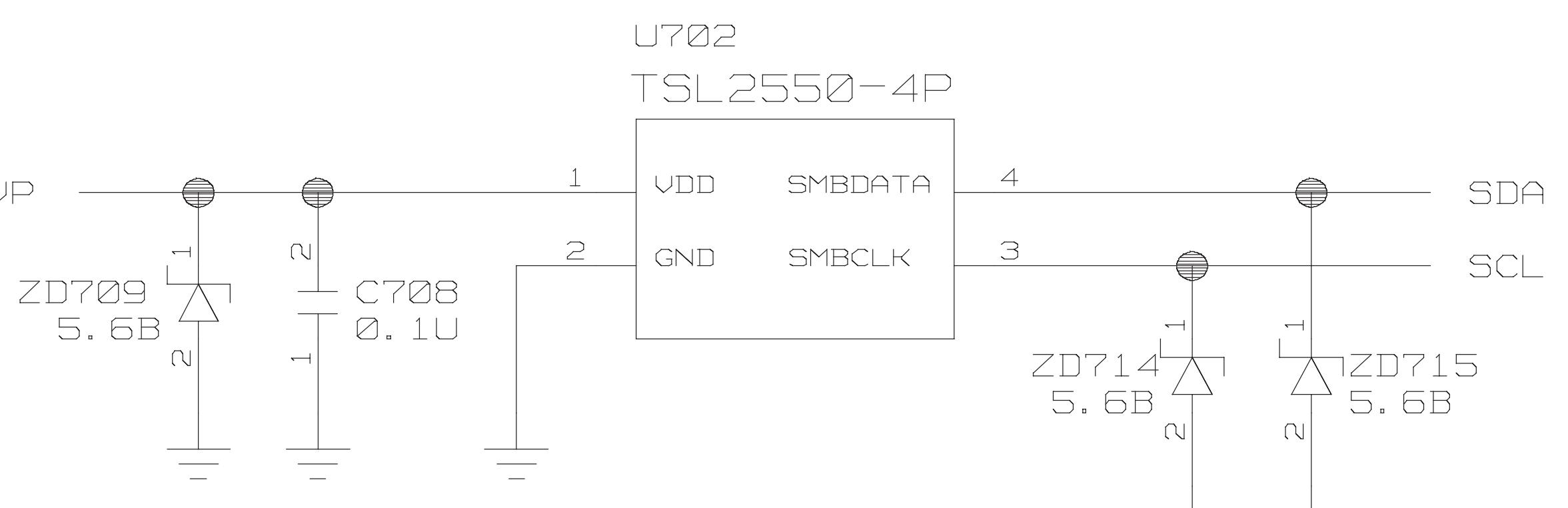
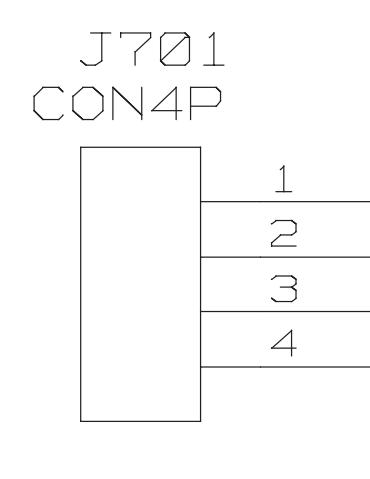
#1 KEY PART



#1 RS232C



1 SENSOR PART





LG Electronics Inc.

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